

JUN 6 1939

BLACKHAWK Wrenches



NEW . . . 99DD
WRENCH - BENCH
& NUGGET ASS'T

**SOCKET,
OPEN-END
& BOX-TYPE
WRENCHES**

Exclusive
NUGGETS

**NEW DOUBLE-DUTY SOCKET V
MADE OF HEXITE . . . THE**

BLACKHAWK MF
Catalog No. 239

Blackhawk wrench has
above-average
stamping its owner
quality workman of
above-average ability.

Blackhawk wrenches — long
the leaders in their field —
have constantly grown in de-
mand. This demand justifies
Blackhawk's policy of spe-
cializing exclusively in high-
quality wrenches — distrib-
uted through recognized
jobbers.

For a double-guarantee —
Always buy wrenches from
your Blackhawk jobber or
jobber salesman!



and Washington.

BLACKHAWK WRENCHES

FOR AUTOMOTIVE, AEROMOTIVE, TRUCK, TRACTOR,
CONSTRUCTION, INDUSTRIAL AND SPECIALTY WORK

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*Quarters
World*

GUIDE TO WRENCH & SOCKET SIZES FOR BOLTS & NUTS . . . To order wrenches use sizes in center column

HEXAGON wrenches will fit:						NOMINAL SIZE OVER FLATS	SQUARE wrenches will fit:				
U.S.S.		S.A.E.	American Std.		Mfrs. Std.		U.S.S.		U.S.S. or Am. Std.	Amer. Std.	Mfrs. Std.
Bolts and Nuts	Cap Screws	Bolts and Nuts	Bolts and Nuts	Cap Screws	Bolt Heads		Bolts and Nuts	Cap Screws	Set Screws	Bolts and Nuts	Bolt Heads
			0 & 1			1/16			0 & 1		
			2 & 3			1/8			2 & 3		
			4			3/16			4		
1/8	3/8		5 & 6			1/4			5 & 6		
			8			5/16			8		
1/4	1/2		10			3/8		1/8	1/4	10	3/4
	3/4	1/4	12 & 14	3/4	3/4	1/2	1/2	1/8	1/4	12 & 14	
3/4	1 1/4	1 1/4		1 1/4		3/4	3/4	3/8			1 1/4
					1 1/4	1 1/4					
	3/8	3/8	1 1/4	3/8	3/8	1 1/4		1/8	1/4	1 1/4	3/8
1 1/4	1 1/4	1 1/4	3/8	1 1/4	3/8	1 1/4		1/2	3/8	3/8	
3/8						1 1/4	3/8	1 1/4			1 1/4
	1/2	1/2	1 1/4	1/2		1 1/4		3/8	3/4	1 1/4	1/2
1 1/4	1 1/4		1/2	1 1/4	3/8	1 1/4				1 1/4	
1/2	3/8	1 1/4	1 1/4	3/8		1 1/4	1/2	3/4	3/8		1 1/4
					1 1/4	1 1/4					
1 1/4		3/8	3/8			1 1/4	1 1/4			3/8	3/8
1 1/4	3/4	1 1/4		3/8	3/8	1	1 1/4		1		
3/8	3/8			3/8	3/8	1 1/4	3/8				3/8
	3/8			3/8	3/8	1 1/4				3/8	3/8
3/4	1	1 1/4				1 1/4	3/4	1	1 1/4		
			3/8	1		1 1/4				3/8	3/8
1 1/4					3/8	1 1/4		1 1/4			
3/8		1				1 1/4	3/8				
	1 1/4		1	1 1/4		1 1/4		1 1/4	1	1	
1	1 1/4	1 1/4			1	1 1/4	1				
			1 1/4	1 1/4		1 1/4			1 1/4	1 1/4	
1 1/4		1 1/4			1 1/4	1 1/4	1 1/4				
		1 1/4			1 1/4	1 1/4			1 1/4	1 1/4	
1 1/4		1 1/4			1 1/4	1 1/4	2	1 1/4			
		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8	1 1/4				
		1 1/4			1 1/4	2 1/8			1 1/4	1 1/4	
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8	1 1/4				
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8	1 1/4				
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
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1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
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1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
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1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					1 1/4
1 1/4		1 1/4			1 1/4	2 1/8					

PRICE LIST AND INDEX

No.	List Price	User Net	Page	Units in Cart.	Weight Each Lb. Oz.
SETS					
8CB	\$ 9.80	\$ 5.88	37	1	2 8
8LR	10.60	6.36	37	1	2 10
10ND	7.15	4.29	27	1	1
12ED	72.90	43.74	29	1	59 8
12SD	35.25	21.15	29	1	23 8
13CB	19.50	11.70	37	1	5 9
13PD	13.50	8.10	27	1	5 6
14BD	47.60	28.56	29	1	28
16ND	11.50	6.90	27	1	1 8
16QD	24.85	14.91	27	1	7 14
17K	21.60	12.96	12	1	5
17TD	19.50	11.70	28	1	8 4
18CB	6.95	4.17	38	1	8
18LR	7.65	4.59	38	1	9
20CB	2.90	1.74	38	1	4
20LR	3.30	1.98	38	1	5
22CB	5.10	3.06	39	1	1 12
22LR	5.80	3.48	39	1	2 2
*26CB	7.35	4.41	38	1	3 2
*26LR	8.20	4.92	38	1	3 4
30CD	44.00	26.40	28	1	23 4
30K	49.85	29.91	12	1	13
*45CB	72.00	43.20	28	1	38 8
50B	97.00	58.20	12	1	49
70R	116.00	69.60	22	1	90
70DS	148.00	88.80	24	1	177
77K	62.00	37.20	11	1	30
77L	49.40	29.60	11	1	23 8
80DS	168.00	100.80	24	1	186
80RRS	163.00	97.80	23	1	143
90DS	180.00	108.00	24	1	185
90W	158.00	94.80	25	1	113
99DD	192.00	115.20	10	1	237
†99DD	200.00	120.00	10	1	237
100DS	201.00	120.60	24	1	191
100W	183.00	109.80	25	1	118
400CB	4.80	2.88	39	1	1 12
400LR	5.50	3.30	39	1	2
412CB	6.20	3.72	39	1	2
412LR	7.00	4.20	39	1	2 4
19051	16.35	9.81	19	1	3 12
19055	13.00	7.80	18	1	2 12
19056	3.05	1.83	32	1	8
19057	8.60	5.16	32	1	4 1
19058	8.60	5.16	32	1	3 12
19059	5.45	3.27	32	1	12
19074	9.65	5.79	32	1	1 6
19082	8.15	4.89	19	1	1 11
19083	6.20	3.72	18	1	1 4
CASES					
CA	5.20	3.12	28-29	1	9
CB	9.75	5.85	11-28	1	19 8
DD East	121.00	72.60	10	1	222
†DD West	128.50	77.10	10	1	222
DS East	65.00	39.00	24	1	145
†DS West	71.25	42.75	24	1	145
E	10.35	6.21	29	1	13
N-4	1.15	.69	27	1	8
P	1.55	.93	27	1	1 10
Q	3.60	2.16	27	1	4 4
R	23.75	14.25	22-23	1	56
RS	22.50	13.50	23	1	44
T	2.00	1.20	28	1	2 10
W	35.00	21.00	25	1	74
19508	20.00	12.00	12	1	36
19515	4.00	2.40	12	1	4 8
19516	2.00	1.20	12	1	1 12
LOOSE WRENCHES					
E2	.55	.33	38	5	3/4
E3	.55	.33	38	5	3/4
E4	.55	.33	38	5	3/4
E5	.55	.33	38	5	3/4
E6	.85	.51	38	5	3/4
E7	.70	.42	38	5	3/4
E8	.70	.42	38	5	3/4
E9	.70	.42	38	5	3/4
E10	.70	.42	38	5	3/4
E11	1.10	.66	38	5	1
H1	1.85	1.11	21	5	1
H10	.55	.33	38	5	3/4
H12	.55	.33	38	5	3/4
H14	.60	.36	38	5	3/4
H16	.60	.36	38	5	1
H18	.60	.36	38	5	1
*Ti3	.35	.21	14	5	2
100A	2.00	1.20	39	5	4
100B	2.00	1.20	39	5	4
151	4.35	2.61	33	5	1 13
152	2.30	1.38	33	5	13
200AB	2.60	1.56	39	5	4
LOOSE WRENCHES—Continued					
402	.75	.45	39	10	3
402B	.75	.45	39	10	3
402C	.75	.45	39	10	3
403	.75	.45	39	10	3
404	.80	.48	39	10	4 1/2
*404B	.80	.48	39	10	4
*404C	.80	.48	39	10	4
405	.80	.48	39	10	4 1/2
*406B	.85	.51	39	5	5 1/2
*406C	.85	.51	39	5	6
420	.75	.45	39	10	2 1/2
422	.75	.45	39	10	2 1/2
424	.80	.48	39	10	4
426	1.00	.60	39	5	6
*1020	.50	.30	38	10	1
1021	.55	.33	38	10	2 1/2
*1022	.70	.42	38	10	3
1023	.70	.42	38	10	3
*1024	.80	.48	38	10	4
1025	.80	.48	38	10	4
1026	1.00	.60	38	10	5
1027	1.00	.60	38	10	5
1027C	1.00	.60	38	10	5
*1028	1.20	.72	38	10	6 1/2
1028S	1.20	.72	38	10	7
1029	1.20	.72	38	10	6 1/2
1030	1.20	.72	38	10	6
*1031	1.60	.96	38	5	13
*1032	1.60	.96	38	5	13
*1033	1.60	.96	38	5	13
1033A	1.60	.96	38	5	13
*1033C	2.20	1.32	38	5	1 3
1034	2.20	1.32	38	5	1 2 1/2
1035	2.20	1.32	38	5	1 2
*1036	3.00	1.80	38	5	1 12
1037	3.00	1.80	38	5	1 12
*1721	.55	.33	38	10	2
*1722	.55	.33	38	10	2
*1723	.55	.33	38	10	2
1723A	.70	.42	38	10	3
*1725	.80	.48	38	10	4
1725A	.80	.48	38	10	4
*1725B	.80	.48	38	10	4
1726	1.00	.60	38	10	5
*1727	1.00	.60	38	10	5 1/2
1728	1.20	.72	38	10	7
*1729	1.20	.72	38	10	7
1731	1.60	.96	38	5	14
*1731A	1.60	.96	38	5	14
1731B	1.60	.96	38	5	13
1733	2.20	1.32	38	5	1 3
*1734	2.20	1.32	38	5	1 3
1735	3.00	1.80	38	5	1 14
*1736	3.00	1.80	38	5	1 12
*1737	3.00	1.80	38	5	1 11
*2561	1.80	1.08	39	10	2 1/2
2581	2.60	1.56	21	5	6
2583	3.40	2.04	21	5	12
3327	.60	.36	18	5	10
3329	.60	.36	18	5	10
3731	.60	.36	18	5	13
*4016	1.90	1.14	33	5	8
4020	.55	.33	36-37	5	1
4028	1.35	.81	36-37	5	6
4033C	2.40	1.44	36-37	5	8
*4124	1.00	.60	33	5	1 6
*4316	1.10	.66	33	5	1 12
4721	.60	.36	36-37	5	2
4723	.70	.42	36-37	5	2
4725	.90	.54	36-37	5	2
4725B	1.00	.60	36-37	5	3
4727	1.10	.66	36-37	5	5
4729	1.35	.81	36-37	5	6
4730A	1.65	.99	36-37	5	8
4731A	1.75	1.05	36-37	5	8
4735A	2.85	1.71	36-37	5	1 1
4737	3.30	1.98	36-37	5	1 5
5204X	4.00	2.40	34	1	3 2
5204Z	4.50	2.70	34	1	3 7
5206	9.00	5.40	35	1	11 9
5220	.65	.39	34	5	1 8
5222	.65	.39	34	5	1 8
5224	.65	.39	34	5	1 8
5226	.65	.39	34	5	1 8
5228	.65	.39	34	5	1 10
5401	1.40	.84	35	5	2 8
5434	2.60	1.56	35	5	2 15
5440	2.60	1.56	35	5	3 2
5448	3.00	1.80	35	5	4
12001	2.30	1.38	21	5	9
12002	2.30	1.38	21	5	7 1/2
15119	1.75	1.05	40	5	2 11
15137	2.30	1.38	40	5	3 4
15138	2.30	1.38	40	5	3 11

BLACKHAWK GUARANTEE

All Blackhawk wrenches are guaranteed against defects both in workmanship and material. Free replacements or repairs will be made on all wrenches that do not stand up to this guarantee.

Replacements will not be made if inspection shows that handles or sockets have been hammered or used with Stillson wrenches for extra leverage—handles or sockets have been ground thinner or changed in design—sockets have been used on over or undersized nuts—undue leverage has been exerted—tools have been worn out from use or employed for purposes other than intended.

BE A LEADER — Own "Blackhawks"

Each Blackhawk wrench has more than above-average utility—stamping its owner a quality workman of above-average ability.

Blackhawk wrenches—long the leaders in their field—have constantly grown in demand. This demand justifies Blackhawk's policy of specializing exclusively in high-quality wrenches—distributed through recognized jobbers.

For a double-guarantee—Always buy wrenches from your Blackhawk jobber or jobber salesman!

*To Be Discontinued—Do Not Reorder.
†West Coast Prices Apply in Arizona, California, Idaho, Nevada, Oregon, Utah and Washington.

PRICE LIST AND INDEX (Cont'd)

No.	List Price	User Net	Page	Units In Cart.	Weight Each Lb. Oz.	No.	List Price	User Net	Page	Units In Cart.	Weight Each Lb. Oz.
LOOSE WRENCHES—Continued						LOOSE WRENCHES—Continued					
15139	2.60	1.56	40	5	4 6	21106	.45	.27	18	5	3 1/2
15140	.60	.36	40	5	2 4	21108	.45	.27	18	5	3 1/2
15612	.95	.57	30	5	2 1/2	21110	.45	.27	18	5	3 1/2
15613	1.00	.60	30	5	3 1/2	21112	.55	.33	18	5	3 1/2
15614	1.10	.66	30	5	5	21114	.55	.33	18	5	1
15620	1.70	1.02	30	5	1	21116	.55	.33	18	5	1
15622	1.00	.60	30	5	5	24992	4.00	2.40	14	5	5
15623	1.10	.66	30	5	6	24993	2.00	1.20	20	5	1
15624	1.30	.78	30	5	8	24994	1.50	.90	15	5	2
15625	1.50	.90	30	5	11	24995	1.70	1.02	21	5	4
15626	1.70	1.02	30	5	15	24996	1.05	.63	17	5	1 1/2
15627	2.00	1.20	30	5	1 4	24997	.40	.24	15	5	1
15629	3.20	1.92	30	5	2 1	24998	1.20	.72	17	5	3 1/2
15630	4.15	2.49	30	5	2 1	24999	2.00	1.20	15	5	3
15632	1.00	.60	30	5	4	30008	.70	.42	18	5	1
15633	1.10	.66	30	5	6 1/2	30010	.70	.42	18	5	1
15634	1.30	.78	30	5	8	30012	.70	.42	18	5	1
15635	1.50	.90	30	5	11	30014	.70	.42	18	5	1
15636	1.70	1.02	30	5	1	30016	.70	.42	18	5	1
15637	2.00	1.20	30	5	1 3	30018	.70	.42	18	5	1 1/2
15638	3.85	2.31	30	5	1 14	30020	.70	.42	18	5	2
15639	4.85	2.91	30	5	1 14	30022	.80	.48	18	5	2
15647	1.15	.69	30	5	2 1/2	30024	.80	.48	18	5	2
15648	1.25	.75	30	5	2 1/2	30108	.80	.48	18	5	1
15649	1.45	.87	30	5	2 1/2	30110	.80	.48	18	5	1
15650	1.60	.96	30	5	3 1/2	30112	.80	.48	18	5	1 1/2
15651	1.90	1.14	30	5	8	30114	.90	.54	18	5	1 1/2
15652	2.30	1.38	30	5	8	30116	.90	.54	18	5	2
15659	1.70	1.02	31	5	5 1/2	30212	2.60	1.56	20	5	2
15660	2.25	1.35	31	5	5 1/2	30214	2.60	1.56	20	5	2
*15680	2.70	1.62	31	1	12	30216	2.60	1.56	20	5	2
*15681	2.70	1.62	31	1	12	30218	2.60	1.56	20	5	2
*15682	3.10	1.86	31	1	13	30220	2.60	1.56	20	5	2
*15683	3.10	1.86	31	1	14	30222	2.75	1.65	20	5	2 1/2
15684	3.35	2.01	31	1	15	30224	2.75	1.65	20	5	3
15685	3.75	2.25	31	1	2 2	30314	.90	.54	18	5	2
15686	4.85	2.91	31	1	2 2	30316	.90	.54	18	5	2
15687	4.85	2.91	31	1	2 2	30318	1.00	.60	18	5	2
15688	5.85	3.51	31	1	2 2	30320	1.00	.60	18	5	3
15689	5.85	3.51	31	1	2 3	30322	1.15	.69	18	5	4
15690	6.10	3.66	31	1	2 4	30324	1.25	.75	18	5	4
15691	6.35	3.81	31	1	3	34964	.80	.48	9-20	5	2
15692	6.50	3.90	31	1	3 2	34981	6.25	3.75	14	5	8
15693	8.00	4.80	31	1	3 2	34982	2.00	1.20	16	5	1 2
15694	8.00	4.80	31	1	3 4	34983	2.15	1.29	17	5	13
15695	9.50	5.70	31	1	3 7	34984	1.60	.96	17	5	7
15696	10.00	6.00	31	1	3 7	34985	.50	.30	15	5	4
15697	11.25	6.75	31	1	4 4	34986	2.85	1.71	15	5	8
15698	14.60	8.76	31	1	4 12	34987	1.50	.90	17	5	4
15699	15.90	9.54	31	1	5 4	34988	1.40	.84	17	5	3
15700	16.70	10.02	31	1	5 4	34990	.30	.18	21	5	2
15701	17.50	10.50	31	1	5 8	34991	.85	.51	20	5	1
*15710	2.95	1.77	31	1	11	34992	1.25	.75	33	5	2
*15711	2.95	1.77	31	1	12	34993	2.40	1.44	20	5	3
*15712	3.50	2.10	31	1	14	34994	1.00	.60	20	5	2
*15713	3.50	2.10	31	1	14	34995	1.00	.60	20	5	2 1/2
15714	3.75	2.25	31	1	14	34996	1.10	.66	20	5	3
15715	4.20	2.52	31	1	2	34997	1.70	1.02	17	5	6
15716	5.85	3.51	31	1	2 2	34999	4.00	2.40	14	5	7
15717	5.85	3.51	31	1	2 4	35110	.85	.51	9	5	1 1/2
15718	6.25	3.75	31	1	2 4	35112	.85	.51	9	5	3 1/2
15719	6.25	3.75	31	1	2 3	35114	.85	.51	9	5	3 1/2
15720	7.25	4.35	31	1	2 4	35116	.85	.51	9	5	1
15721	7.60	4.56	31	1	3 1	35118	.85	.51	9	5	1
15722	8.00	4.80	31	1	3 2	35119	.85	.51	9	5	1
15723	9.20	5.52	31	1	3	35120	.85	.51	9	5	1 1/2
15724	9.20	5.52	31	1	3 2	35121	.85	.51	9	5	2
15725	10.50	6.30	31	1	3 8	35122	.85	.51	9	5	2
15726	11.25	6.75	31	1	4	35124	1.05	.63	9	5	2
15727	12.50	7.50	31	1	4 2	35126	1.05	.63	9	5	3
15728	15.90	9.54	31	1	4 13	35128	1.05	.63	9	5	3
15729	17.10	10.26	31	1	5 2	35130	1.35	.81	9	5	3
15730	18.00	10.80	31	1	5 2	35132	1.35	.81	9	5	3
15731	18.75	11.25	31	1	5 8	35134	1.65	.99	9	5	5
*15741	2.50	1.50	31	1	15	35136	1.85	1.11	9	5	6
15742	2.65	1.59	31	1	1	35140	2.10	1.26	9	5	6
15743	3.75	2.25	31	1	2 8	35212	.90	.54	9	5	1
15744	5.40	3.24	31	1	3 12	35214	.90	.54	9	5	1 1/2
15745	8.25	4.95	31	1	6 8	35216	.90	.54	9	5	1 1/2
15798	.80	.48	33	5-25	12	35218	.90	.54	9	5	2
15829	4.55	2.73	30	1	2 1/2	35220	1.00	.60	9	5	2 1/2
15830	6.00	3.60	30	1	4	35224	1.35	.81	9	5	4 1/2
15831	9.75	5.85	30	1	6 1/2	35314	1.35	.81	9	5	2 1/2
15832	11.50	6.90	30	1	8	35316	1.35	.81	9	5	2 1/2
15833	18.08	10.85	30	1	11 1/2	35318	1.35	.81	9	5	2 1/2
21006	.45	.27	18	5	1 1/2	35320	1.60	.96	9	5	3
21007	.45	.27	18	5	1 1/2	35322	1.60	.96	9	5	3 1/2
21008	.45	.27	18	5	1 1/2	35324	1.60	.96	9	5	4
21009	.45	.27	18	5	1 1/2	35326	1.60	.96	9	5	5
21010	.45	.27	18	5	1 1/2	35328	1.60	.96	9	5	5
21011	.45	.27	18	5	1 1/2	35330	1.75	1.05	9	5	5 1/2
21012	.45	.27	18	5	1 1/2	35332	1.75	1.05	9	5	5
21014	.45	.27	18	5	1 1/2	35336	2.10	1.26	9	5	6 1/2
						35414	2.95	1.77	9	5	1 1/2

*To Be Discontinued—Do Not Reorder.

Lock-On

Blackhawk's exclusive "Lock-On" feature clicks sockets, handles and attachments into one solid tool. A spring-backed plunger on all handles grips sockets securely. Combinations are quickly disengaged by simply pressing the convenient "Thumb Release" button on the socket.

The "Thumb Release" button, in the 7/16", 1/2", 3/4" and 1" square drive series, makes a release key unnecessary.

"Lock-On" saves time and temper. Sockets can not drop or slip off to cause damage or injury — a safety feature on overhead work or where sockets and attachments would cause extensive damage and loss of time if dropped in mechanism. This patented feature makes work fast, safe and sure.



Patent Nos.
Re. 19,287
1,927,844

Simply press the "Thumb Release" button—then pull — to unlock "Lock-On."

PRICE LIST AND INDEX (Cont'd)

No.	List Price	User Net	Page	Units in Cart.	Weight Each Lb. Oz.
LOOSE WRENCHES—Continued					
35416	2.95	1.77	9	5	1 1/2
35418	2.95	1.77	9	5	1 1/2
35420	2.95	1.77	9	5	2
35422	3.05	1.83	9	5	2 1/2
35424	3.05	1.83	9	5	2 1/2
39964	.80	.48	9-20	5	2
39965	1.05	.63	9	5	2
39966	1.15	.69	9	5	2
39971	1.65	.99	9	5	2
39972	1.85	1.11	9	5	2
39974	.80	.48	9-20	5	3
39975	16.00	9.60	13	1	6 8
39976	2.00	1.20	8	5	5
39977	2.70	1.62	8	5	13
39978	2.90	1.74	9	5	2 1/2
39979	1.00	.60	9	5	2 1/2
39981	3.20	1.92	8	5	15
39982	1.80	1.08	8	5	3
39983	2.25	1.35	8	5	9
39984	3.20	1.92	8	5	6
39985	4.00	2.40	8	5	1 3
39986	.60	.36	8	5	6
39990	2.00	1.20	8	5	7
39997	8.00	4.80	8	5	13
39999	2.60	1.56	8	5	1 1
40112	.80	.48	18	5	2
40114	.80	.48	18	5	2
40116	.80	.48	18	5	2
40118	.80	.48	18	5	2
40119	.80	.48	18	5	2
40120	.80	.48	18	5	2
40121	.80	.48	18	5	2
40122	.80	.48	18	5	2
40124	.95	.57	18	5	2
40125	.95	.57	18	5	3
40126	.95	.57	18	5	4
40128	.95	.57	18	5	5
40130	1.20	.72	18	5	5
40131	1.20	.72	18	5	5
40132	1.20	.72	18	5	6
40134	1.50	.90	18	5	7
40136	1.60	.96	18	5	8
40140	1.70	1.02	18	5	8
40199	.85	.51	33	5	2
40210	.75	.45	18	5	2
40212	.75	.45	18	5	2
40214	.75	.45	18	5	2
40216	.75	.45	18	5	3
40218	.75	.45	18	5	3
40219	.75	.45	18	5	4
40220	.75	.45	18	5	5
40222	.80	.48	18	5	6
40224	.90	.54	18	5	6
40225	.90	.54	18	5	7
40226	1.05	.63	18	5	7
40228	1.15	.69	18	5	7
40230	1.40	.84	18	5	8
40232	1.40	.84	18	5	8
40234	1.60	.96	18	5	9
40236	1.75	1.05	18	5	10
40240	1.85	1.11	18	5	11
40316	1.45	.87	19	5	4
40318	1.45	.87	19	5	5
40320	1.60	.96	19	5	5
40322	1.60	.96	19	5	6
40324	1.60	.96	19	5	7
40326	1.60	.96	19	5	6
40328	1.60	.96	19	5	7
40330	1.75	1.05	19	5	7
40332	1.75	1.05	19	5	8
40336	1.95	1.17	19	5	9
49974	.80	.48	9-20	5	3
49975	16.00	9.60	13	1	6 8
49977	3.00	1.80	14	5	1 8
49978	2.60	1.56	20	5	6
49979	1.00	.60	20	5	3
49980	3.60	2.16	20	10	5
*49981	2.60	1.56	15	5	1 2
49982	1.90	1.14	15	5	1
49983	2.15	1.29	15	5	14
49984	3.25	1.95	15	7	1
49985	3.60	2.16	15	5	1 12
49986	.60	.36	15	5	12
49987	2.50	1.50	17	5	1 2
49988	4.30	2.58	15	5	2
49989	1.20	.72	17	5	4
49990	2.00	1.20	17	5	1
49991	1.25	.75	20	5	8
49992	2.60	1.56	16	5	1 14
49993	5.00	3.00	16	5	2 4
49994	2.60	1.56	16	5	2 4
49995	.50	.30	14	5	2
49996	6.00	3.60	14	5	1 2
49997	7.50	4.50	14	5	1 6

No.	List Price	User Net	Page	Units in Cart.	Weight Each Lb. Oz.
LOOSE WRENCHES—Continued					
49999	2.80	1.68	16	5	2 4
60028	1.25	.75	19	5	8
60030	1.25	.75	19	5	8
60031	1.25	.75	19	5	8
60032	1.25	.75	19	5	8
60034	1.55	.93	19	5	8
60036	1.55	.93	19	5	9
60038	1.55	.93	19	5	10
60040	1.75	1.05	19	5	10
60042	1.75	1.05	19	5	13
60044	1.75	1.05	19	5	15
60046	1.90	1.14	19	5	15
60048	1.90	1.14	19	5	1
60050	2.20	1.32	19	5	1 4
60052	2.20	1.32	19	5	1 4
60054	2.60	1.56	19	5	1 6
60056	2.60	1.56	19	5	1 6
60058	3.00	1.80	19	5	1 8
60060	3.00	1.80	19	5	1 9
60064	3.75	2.25	19	5	1 14
60128	2.20	1.32	19	5	9
60132	2.20	1.32	19	5	14
60134	2.30	1.38	19	5	1
60136	2.30	1.38	19	5	1 2
60140	2.85	1.71	19	5	1 4
60146	4.00	2.40	19	5	1 7
60152	4.95	2.97	19	5	2 2
69988	2.00	1.20	20	5	1
69989	1.00	.60	14	5	4
69990	2.90	1.74	20	5	1 6
*69991	1.40	.84	20	5	4
69992	1.25	.75	20	5	6
69993	6.25	3.75	20	5	1 5
69994	3.80	2.28	17	5	2 12
69995	3.10	1.86	17	5	1 3
69996	1.50	.90	15	5	2 11
69997	3.75	2.25	15	5	3 5
69998	7.15	4.29	15	5	3 15
69999	10.35	6.21	14	5	3 5
79998	2.00	1.20	20	5	10
79999	2.50	1.50	20	5	1 8
80034	1.90	1.14	19	1	1 4
80036	1.90	1.14	19	1	1 4
80040	2.00	1.20	19	1	1 6
80042	2.00	1.20	19	1	1 8
80044	2.00	1.20	19	1	1 8
80046	2.25	1.35	19	1	1 8
80048	2.60	1.56	19	1	1 12
80050	2.60	1.56	19	1	1
80052	2.90	1.74	19	1	14
80054	3.25	1.95	19	1	2 4
80056	3.50	2.10	19	1	2 8
80058	3.75	2.25	19	1	2 8
80060	4.25	2.55	19	1	3 2
80062	4.50	2.70	19	1	3 6
80064	4.75	2.85	19	1	3 4
80066	5.50	3.30	19	1	4 2
80068	6.00	3.60	19	1	4
80070	6.25	3.75	19	1	4
80072	6.50	3.90	19	1	4 8
80074	7.00	4.20	19	1	4 6
80076	7.75	4.65	19	1	4 6
80078	8.50	5.10	19	1	6 8
80080	9.25	5.55	19	1	6 4
80082	10.00	6.00	19	1	6 12
80084	10.75	6.45	19	1	6 6
80086	11.50	6.90	19	1	7 10
80088	12.25	7.35	19	1	7 8
80090	13.00	7.80	19	1	7 12
80092	13.75	8.25	19	1	7 7
80094	14.50	8.70	19	1	9
80096	15.25	9.15	19	1	9 10
80098	16.00	9.60	19	1	10 7
80100	16.75	10.05	19	1	10
80112	30.00	18.00	19	1	13 13
81034	2.30	1.38	19	1	1 12
81036	2.30	1.38	19	1	1 10
81038	2.75	1.65	19	1	2
81040	3.30	1.98	19	1	2
81044	4.40	2.64	19	1	2
81046	5.75	3.45	19	1	2 8
81050	6.15	3.69	19	1	3 8
81052	6.90	4.14	19	1	4 8
81058	7.00	4.20	19	1	4 8
81064	8.30	4.98	19	1	4 12
89992	2.50	1.50	20	1	1 6
89993	2.40	1.44	20	1	12
89994	1.20	.72	14	1	8
89995	6.50	3.90	17	1	6 12
89996	5.50	3.30	17	1	3 8
89997	2.70	1.62	17	1	6 8
89998	3.20	1.92	17	1	1 8
89999	16.00	9.60	14	1	6 14



Design
Patent
Pending

Gripline

Only Blackhawk features modern wrench handle design! It's called "Gripline" and replaces old cross-knurled patterns.

All grips have attractive streamline grooves running lengthwise. These "Griplines" provide a firm grasp on the wrench but do not cut into the hand. Gripline wrenches are not dirt and grease holders—they wipe clean and dry, keeping their original luster for years.

IMPORTANT!

Blackhawk's "Selected Alloy Steels" Assure Longer Life!

Blackhawk uses a wide variety of steels—selecting the alloy steel best serving the purpose of each wrench.

These "Selected Alloy Steels" include Chrome Vanadium, Nickel, Molybdenum and special steels selected for carbon content, annealing, grain size, etc. Physical properties (including shock resistance, ductility, uniform hardness) are at highest practical standards.

No one material, except Hexite, has all the above qualities. Hexite, *strongest wrench steel known*, is used exclusively in Blackhawk Nugget Socket Wrenches and New Blackhawk-Armstrong Automotive Open-Ends.

Blackhawk also selects various grades of steel for different parts of a wrench—a 3/8" or 1/2" square drive Free Wheeling Ratchet having miscellaneous parts made of 8 various steels—each best serving its purpose.

*To Be Discontinued—Do Not Reorder.

BLACKHAWK

New **NUGGET** Socket Wrenches

ELIMINATE NEED FOR 3/8" AND 1/2" SERIES

Great demand for Nuggets—the amazing wrenches introduced early in 1938—has caused Blackhawk to forge ahead with additions and refinements. *Mechanics themselves* have proved Nuggets the *right* tools for modern work! No reservation is made in positively recommending Nuggets in place of all 3/8" and 1/2" series wrenches!



3/8" Drive Socket — replaced by 7/16" series



7/16" Drive replaces both 3/8" and 1/2" series



1/2" Drive Socket — replaced by 7/16" series

HEXITE STEEL

does the trick!

Hexite's strength (70% stronger than chrome vanadium) permits Nuggets to be made light, slim and small to handle work of 3/8" series—yet strong and tough for all 1/2" series work. Double-Duty 7/16" drive Nuggets handle everything! Hexite—strongest tool steel known—has been used 11 years in Blackhawk power-driven sockets for assembly lines of General Motors, Ford, Chrysler and others.

NUGGETS GIVE YOU ONE SERIES OF WRENCHES TO DO THE WORK OF TWO



Full Range of Double-Duty 7/16" SERIES SOCKETS AND HANDLES—FOR Both CRAMPED QUARTERS AND HEAVY WORK



NEW 7/16"

Double-Duty square drive—Actual size. Replaces both 3/8" and 1/2" series. See diagram of handles and socket sizes, right.



3/8" Square Drive — Actual size. Representative handles and socket sizes — in diagram at right—duplications with 1/2" series in red.



1/2" Square Drive — Actual size. Representative handles and socket sizes in diagram at right — duplications in red.

Eliminate THIS TIME-WASTING, EXPENSIVE 76% DUPLICATION OF 3/8" & 1/2" SERIES



3/8" Series Handles and Sockets are Limited in Range — FOR CRAMPED-QUARTER WORK ONLY



Duplications of 3/8" and 1/2" handles and socket sizes indicated in RED



1/2" Series Handles and Sockets are Limited in Range — FOR ORDINARY HEAVY PULLS. Nuggets do the same work BETTER!

NUGGETS

ARE ULTRA MODERN

The days of expensive duplicate wrench equipment are over. Modern automobiles and machinery are compact — demanding wrenches for both tight quarters and heavy pulls. Mechanics no longer need invest in both $\frac{3}{8}$ " and $\frac{1}{2}$ " series — Nuggets serve their place with *one drive for all work.*

NUGGETS HAVE DURABLE

Chromium finish

Nuggets are finished in durable CHROMIUM at mechanics' request! Chromium plating was introduced by Blackhawk in 1929 and has proved the BEST finish — enabling mechanics to have bright tools at all times, easy to clean and find. This rich finish — which would highlight defects in ordinary wrenches — reveals the smooth, flawless features of Blackhawk wrenches.

NUGGETS *Save 42%* IN TOOL INVESTMENT

Figure it out yourself—add up the cost of handles and sockets in both $\frac{3}{8}$ " and $\frac{1}{2}$ " series. Subtract the total price of Nugget handles and sockets — the difference is YOUR BIG SAVING!

A mechanic would buy 50% MORE TOOLS in $\frac{3}{8}$ " and $\frac{1}{2}$ " series to have the same range of 50 Nuggets. While Nuggets save 42% in COST — they also SAVE TIME because all tools are interchangeable. (Over 23,000 combinations can be made with a 50-piece Nugget set.)

Nuggets not only do the work of $\frac{3}{8}$ " and $\frac{1}{2}$ " wrenches — but actually handle many jobs not adapted to either of the old drives.

It's Easy - CHANGE OVER TO NUGGETS NOW!

Start saving time and money, do better work — be "King of the Shop" — tool up with Nuggets! Buy Nuggets in big matched sets — they're available in low-priced, medium-priced and ultra-deluxe assortments. See pages 10, 11 and 12.

Nuggets are also sold individually by Blackhawk jobbers—enabling fill-ins to small sets or build-up of complete equipment on tool-at-a-time plan. Adaptors (page 9) permit use of your old $\frac{3}{8}$ " and $\frac{1}{2}$ " specials.

*The lightest Wrenches
you've ever twirled.*
BUT PLENTY TOUGH!

NUGGETS ARE AS STRONG AS $\frac{1}{2}$ " TOOLS



Diagram above shows cross-sections of a bar of Hexite steel and a bar of Chrome Vanadium. Although 33-1/3% smaller — the Hexite bar has same strength of Chrome Vanadium. That's why Nuggets (made of Hexite) are smaller but equally as strong as heavy and clumsy $\frac{1}{2}$ " tools made of ordinary high-grade alloy steels.

NUGGETS GET IN TIGHT SPOTS - SAME AS $\frac{3}{8}$ " SERIES



Diagrams (at left and right) show drive ends of smallest sockets in $\frac{3}{8}$ " and $\frac{7}{16}$ " series. Both sockets have same $\frac{11}{16}$ " outside diameter — PROOF that Nuggets get in everywhere and take place of $\frac{3}{8}$ " series.



NUGGET WRENCHES ARE SMALLER — Dotted line shows relative size of $\frac{1}{2}$ " tool compared with Nugget.

NUGGET HANDLES AVERAGE 31% LIGHTER THAN $\frac{1}{2}$ " SQUARE DRIVE TOOLS.



A 50-PIECE NUGGET SET IS 50% LIGHTER AND 52% LESS BULKY than a combination set of $\frac{1}{4}$ " and $\frac{1}{2}$ " Square Drive Wrenches of similar utility.

GRAPH OF LIFE SPAN

Nuggets outwear all other high-grade tools.



NUGGET *handles*

Here are the "fool-triumphs" of the age—light, trim, strong and tough! After using NUGGETS you will never go back to "weight-lifting" work with heavy ordinary wrenches. Nuggets save 42% of your wrench investment, see pages 6 and 7.



No. 39997
Free-Wheeling
Ratchet
U. S. Patent
No. 2,003,185
& 1,936,640



No. 39977
Speed Ball
Handle—
An exclusive
Nugget Fea-
ture Wrench



No. 39976
Insulated
Grip Handle



No. 39983
Extension
6" long



Extensions
No. 39982 3" long
No. 39990 10" long
No. 39981 18" long



Hinged Offsets
No. 39984 7 1/2" long
No. 39985 15" long



No. 39999
Brace
16 1/2" long

SEE 7/16" DRIVE
TORKFLASH —
ON PAGE 13

"FREE WHEELING" RATCHET

Small, balanced and compact. Instantly reversible in any position without removing sockets—no teeth, back-lash or play—noiseless operation. Length, 9 1/8". Diameter of head, only 1 1/8". The finest ratchet wrench you can own.

No. 39997 List price \$8.00

NEW . . . SPEED BALL HANDLE

Comfortable ball grips give extra leverage to T or L combinations—also develop centrifugal speed-up power for spinning down nuts and bolts. 8" long overall.

No. 39977 List price \$2.70

INSULATED GRIP HANDLE

New shock-proof, amber, lightweight grip. 5 1/8" length.

No. 39976 List price \$2.00

6-INCH EXTENSION

Comfortable revolving grip. Cross-drilled for handle bar to make T or L combinations.

No. 39983 List price \$2.25

NEW SHORT EXTENSION

Plain shank, cross-drilled to make T or L combinations. 3" long overall. 3/8" stock diameter.

No. 39982 List price \$1.80

10-INCH EXTENSION BAR

No grip. Cross-drilled to make T or L combinations.

No. 39990 List price \$2.00

NEW . . . EXTRA-LONG EXTENSION

Necessary for work on new cars and airplanes due to hood and cowl interference. Special utility for getting in extra-deep cramped quarters on industrial machinery. 18" long overall, 3/8" stock diameter.

No. 39981 List price \$3.20

LONG HINGED OFFSET

Small head. Forged throat. 15" long overall.

No. 39985 List price \$4.00

NEW SHORT HINGED OFFSET

Same as No. 39985 but has only 7 1/4" overall length and 1/8" handle diameter.

No. 39984 List price \$3.20

BRACE . . . NEW DESIGN

Revolving grip handle cannot stick, jam or come off. 16 1/2" long, slim 3/8" shank, 4" sweep.

No. 39999 List price \$2.60

HANDLE BAR

Has center groove for spring-ball in cross-drilled holes of extensions.

No. 39986 List price \$0.60

ALL LIST PRICES SUBJECT TO DISCOUNT

Sockets and Attachments

THIN, DOUBLE HEXAGON SOCKETS

Socket No.	Socket Size	List Price	Socket No.	Socket Size	List Price
*35110	$\frac{1}{8}$ "	\$0.85	35124	$\frac{3}{4}$ "	\$1.05
35112	$\frac{3}{8}$ "	.85	35126	$\frac{7}{8}$ "	1.05
35114	$\frac{1}{2}$ "	.85	35128	$1\frac{1}{8}$ "	1.05
35116	$\frac{5}{8}$ "	.85	35130	$1\frac{1}{4}$ "	1.35
35118	$\frac{3}{4}$ "	.85	35132	1"	1.35
35119	$\frac{7}{8}$ "	.85	35134	$1\frac{1}{8}$ "	1.65
35120	$\frac{1}{2}$ "	.85	35136	$1\frac{1}{4}$ "	1.85
35121	$\frac{3}{4}$ "	.85	35140	$1\frac{1}{2}$ "	2.10
35122	$\frac{1}{2}$ "	.85			

*Single Hex

DOUBLE SQUARE SOCKETS

35212	$\frac{3}{8}$ "	\$0.90	35218	$\frac{1}{2}$ "	\$0.90
35214	$\frac{1}{2}$ "	.90	35220	$\frac{3}{4}$ "	1.00
35216	$\frac{1}{2}$ "	.90	35224	$\frac{3}{4}$ "	1.35

LONG, THIN, DEEP, DOUBLE HEX SOCKETS

35314	$\frac{1}{8}$ "	\$1.35	35326	$\frac{11}{16}$ "	\$1.60
35316	$\frac{1}{2}$ "	1.35	35328	$\frac{7}{8}$ "	1.60
35318	$\frac{1}{8}$ "	1.35	35330	$\frac{11}{16}$ "	1.75
35320	$\frac{5}{8}$ "	1.60	35332	1"	1.75
35322	$\frac{11}{16}$ "	1.60	35336	$1\frac{1}{8}$ "	2.10
35324	$\frac{3}{4}$ "	1.60			

DOUBLE HEX UNIVERSAL JOINT SOCKETS

Socket No.	Size	Length	List Price	Socket No.	Size	Length	List Price
35414	$\frac{1}{8}$ "	$1\frac{1}{2}$ "	\$2.95	35420	$\frac{5}{8}$ "	$1\frac{1}{2}$ "	\$2.95
35416	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	2.95	35422	$\frac{11}{16}$ "	$1\frac{1}{2}$ "	3.05
35418	$\frac{1}{8}$ "	$1\frac{1}{2}$ "	2.95	35424	$\frac{3}{4}$ "	$1\frac{1}{2}$ "	3.05

UNIVERSAL JOINT—45°

No. 39978— $\frac{11}{16}$ " diameter, $1\frac{7}{8}$ " overall length. List price \$2.90

DRAG LINK SOCKETS

No. 39979— $\frac{11}{16}$ " wide and $\frac{1}{8}$ " thick List price \$1.00

SCREW DRIVER BITS

Four sizes—two regular and two new Phillips Head style. $3\frac{1}{4}$ " long.

No.	Description	List price
39965	Regular .035" x $\frac{1}{4}$ " Blade	\$1.05
39966	Regular .040" x $\frac{3}{16}$ " Blade	1.15
39971	No. 2 Phillips	1.65
39972	No. 3 Phillips	1.85

ADAPTORS

For using $\frac{7}{16}$ " Nugget handles with "specials" in $\frac{3}{8}$ " and $\frac{1}{2}$ " series. Makes change-over to Nuggets easy.

No.	Description	List price
34964	$\frac{3}{8}$ " male, $\frac{1}{8}$ " female	\$0.80
39964	$\frac{1}{4}$ " male, $\frac{3}{8}$ " female	.80
39974	$\frac{1}{8}$ " male, $\frac{1}{2}$ " female	.80
49974	$\frac{1}{2}$ " male, $\frac{1}{8}$ " female	.80

ALL LIST PRICES SUBJECT TO DISCOUNT

BLACKHAWK

COMPLETE RANGE OF NUGGET SOCKETS—CHROMIUM PLATED— $\frac{7}{16}$ " square drive answers every demand for close-quarter work. Walls are extra-thin but tough—buts narrow for tight places ordinarily requiring $\frac{3}{8}$ " series. Nuggets are as strong as $\frac{1}{2}$ " series. All sockets hot broached for smooth interiors and longer life.



Thin, Double Hexagon Sockets, Nos. 35112 to 35140. 17 sockets cover entire range of sizes found in $\frac{3}{8}$ " and $\frac{1}{2}$ " drive sets.



Double Square Sockets, Nos. 35212-35224. Short drive and for ample clearance in handle combinations.



Universal Joint Sockets—Ultra-short overall length—deep broach—close-coupled.



Long Deep Sockets Nos. 35314 to 35336. Have thin walls and extra-deep broaching. For spark plugs, special automotive, aviation and industrial jobs. 11 sizes. Large bore fits this series for airplane spark plugs.



Drag Link Socket No. 39979. Sturdy—wide blade.



Adaptors are low cost. Makes $\frac{3}{8}$ " and $\frac{1}{2}$ " specials interchangeable with Nuggets.



Screw Driver Bits include two of regular design and two of Phillips type.

New 99DD WRENCH BENCH & NUGGET SET

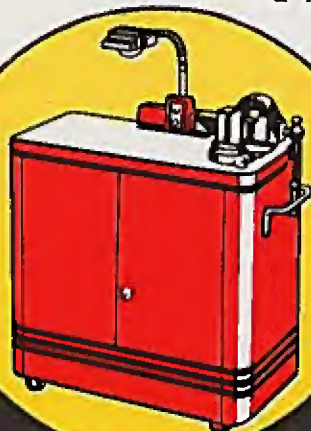
Here's the "flagship" of the Nugget fleet — the 99DD! Complete with 53 selected double-duty Nuggets in the DD stand—the most practical, ultra-modern portable wrench set ever designed.

The DD stand is a combination wrench cabinet and work table with ample drawer space and a solid $\frac{1}{8}$ " steel work top. Includes adjustable work light, electrical outlets and "disappearing" doors equipped with tumbler lock. Stand is made of heavy-gauge steel with red baked-enamel finish and black trimmings.

Stand is $32\frac{1}{2}$ " wide, $17\frac{1}{2}$ " deep and 34" high with 3" toe space. All seven drawers have chromium-plated pull handles. Bottom compartment is roomy for bulky tools, electric drills, etc. A chromium plated handle on right side of stand is used when rolling stand on its two rubber-tired wheels. End of stand on which handle is mounted has two fixed legs—giving stand same rigidity as work bench.



99DD
Wrench Bench
& Nugget Set



Note how rolling doors close to lock up wrenches and equipment. Vise can be mounted on one end of the reinforced solid-steel work top. Blackhawk Engineers "thought of everything" when the 99DD Wrench-Bench was designed.

99DD CONTAINS MASTER ASS'T OF NUGGETS

Slim, trim, double-duty Nuggets are fitting companions for the modern DD stand. Be "King of the Shop" by owning the 99DD—free individual nameplate identifies this set as your very own. The following 53 pieces are included in the 99DD assortment:

HANDLES AND ATTACHMENTS

39965—Regular Screw Driver	39982—3" Extension
39966—Regular Screw Driver	39983—6" Extension
39971—No. 1 Phil. Screw Driver	39984—7 $\frac{1}{4}$ " Hinged Offset
39972—No. 2 Phil. Screw Driver	39985—15" Hinged Offset
39975—Torqflash Tension Wrench	39986—Handle Bar
39976—5 $\frac{1}{2}$ " Grip Handle	39990—10" Extension
39978—Universal Joint	39997—Free Wheeling Ratchet
39979—Drag Link Socket	39999—Brace
39981—18" Extension	

Regular Thin Double Hex:

*35110— $\frac{1}{8}$ "	35118— $\frac{3}{8}$ "	35121— $\frac{1}{2}$ "	35126— $\frac{3}{4}$ "	35132—1"
35112— $\frac{3}{8}$ "	35119— $\frac{1}{2}$ "	35122— $\frac{5}{8}$ "	35128— $\frac{7}{8}$ "	35134—1 $\frac{1}{8}$ "
35114— $\frac{1}{4}$ "	35120— $\frac{3}{4}$ "	35124— $\frac{3}{4}$ "	35130— $\frac{1}{2}$ "	

*Single Hex

Double Square Sockets:

35212— $\frac{3}{8}$ "	35214— $\frac{1}{2}$ "	35216— $\frac{1}{2}$ "	35218— $\frac{3}{8}$ "	35220— $\frac{3}{4}$ "
------------------------	------------------------	------------------------	------------------------	------------------------

Long Double Hex Sockets:

35314— $\frac{1}{8}$ "	35318— $\frac{3}{8}$ "	35322— $\frac{1}{2}$ "	35328— $\frac{7}{8}$ "	35332—1"
35316— $\frac{1}{2}$ "	35320— $\frac{3}{4}$ "	35324— $\frac{3}{4}$ "	35330— $\frac{1}{2}$ "	35336—1 $\frac{1}{4}$ "
		35326— $\frac{1}{2}$ "		

Universal Joint Sockets, Double Hex:

35414— $\frac{1}{8}$ "	35416— $\frac{1}{2}$ "	35418— $\frac{3}{8}$ "	35422— $\frac{1}{2}$ "	35424— $\frac{3}{4}$ "
		35420— $\frac{3}{4}$ "		

No. 99DD—Complete with 53 Nuggets, the DD stand and Electrical Fixtures . . . List Price—Eastern **\$192.00**
List Price—Western* **\$200.00**

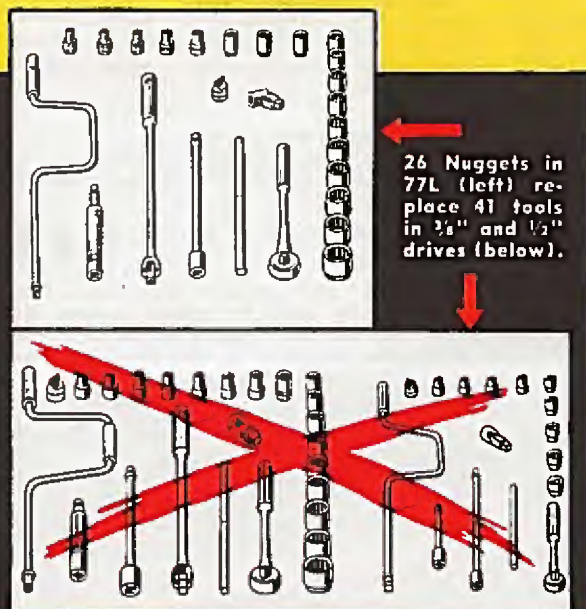
*Western prices apply in Arizona, California, Idaho, Nevada, Oregon, Utah and Washington.

New

77L AND 77K NUGGET SETS

Here are the sets thousands have bought as their "starter" on Nuggets. 77L includes 26 most essential Nugget wrenches in the CB case. 77K is the same as 77L but includes the remarkable Torkflash tension wrench.

The 26 Nuggets—with their $\frac{7}{8}$ " double duty square drive—do all the work of 41 regular $\frac{3}{8}$ " and $\frac{1}{2}$ " square drive tools (see diagram below). Figure the saving yourself—comparing the attractive 77L price with total cost of $\frac{3}{8}$ " or $\frac{1}{2}$ " tools in ANY quality line.



26 Nuggets in 77L (left) replace 41 tools in $\frac{3}{8}$ " and $\frac{1}{2}$ " drives (below).



The attractive roomy CB chest has practical drop-front design. Size $20\frac{1}{2}$ " long, $8\frac{5}{8}$ " wide, $6\frac{1}{2}$ " high. Plenty of extra room for hammers, pliers and other tools—plus later addition of Nugget "fill-ins." The 77L handles all automotive service and is especially ideal for full range of work on Ford and Chevrolet—also serves trucks and modern tractors. See pages 6 and 7 on how Hexite steel makes Nuggets double-duty, light-weight and long-lived. Then invest in Nuggets—nothing less than a 77L. Thousands now using Nuggets are boosting weekly wages or making more money on flat-rate jobs.

CONTENTS OF 77L and 77K

39978 Universal Joint	39986 Handle Bar
39979 Drag Link Socket	39990 10" Extension
39983 Extension Bar	39997 Free Wheeling Ratchet
39985 Hinged Offset	39999 Brace
39975 Torkflash (included in 77K only—not in 77L)	

DOUBLE SQUARE SOCKETS

35216— $\frac{1}{2}$ "	35218— $\frac{3}{4}$ "	35220— $\frac{5}{8}$ "
------------------------	------------------------	------------------------

REGULAR THIN, DOUBLE HEX SOCKETS

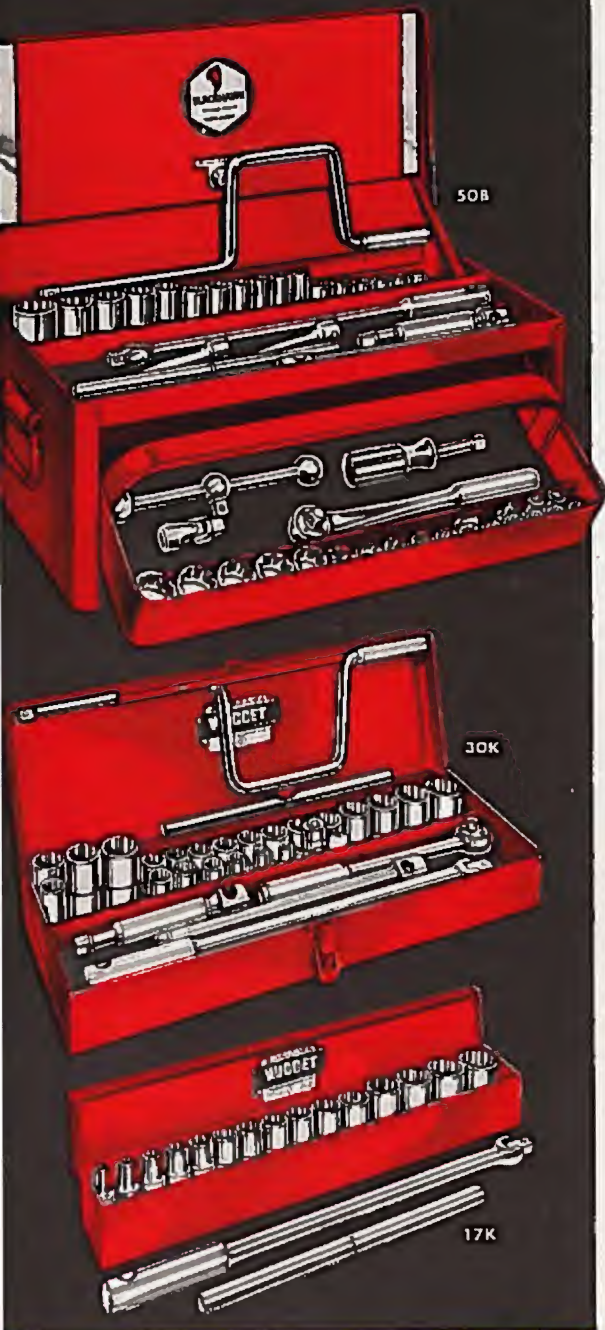
*35110— $\frac{1}{8}$ "	35119— $\frac{1}{4}$ "	35126— $\frac{1}{2}$ "
35112— $\frac{3}{8}$ "	35120— $\frac{5}{8}$ "	35128— $\frac{7}{8}$ "
35114— $\frac{7}{8}$ "	35121— $\frac{1}{2}$ "	35130— $\frac{1}{4}$ "
35116— $\frac{1}{2}$ "	35122— $\frac{1}{4}$ "	35132—1"
35118— $\frac{3}{4}$ "	35124— $\frac{3}{4}$ "	35134— $1\frac{1}{8}$ "

*Single Hex

No. 77L Set, Complete List price \$49.40

No. 77K Set, Complete
(Includes Torkflash) List price 62.00

ALL LIST PRICES SUBJECT TO DISCOUNT



50B NUGGET SET

Here's a compact set of 50 Nuggets for complete service work. Covers full socket range in double square, double hex, long deeps and universal type.

The spanking, red chromium-trimmed No. 19508 case is 18 $\frac{3}{8}$ " long, 7 $\frac{3}{4}$ " high and 9 $\frac{1}{2}$ " wide; made of sturdy steel. Assortment of 50 Nuggets in $\frac{1}{4}$ " double-duty drive includes the following:

HANDLES AND ATTACHMENTS

- | | |
|--|---------------------------|
| 39976—Grip Hdle. 5 $\frac{1}{2}$ " lg. | 39985—15" Offset |
| 39977—Sp. Ball Hdle. 8" lg. | 39986—Handle Bar |
| 39978—Universal Joint | 39990—10" Extension |
| 39979—Drag Link Socket | 39997—Free Wheel. Ratchet |
| 39983—6" Extension Bar | 39999—16" Brace |

SOCKETS

Double Square:

- | | | | |
|------------------------|------------------------|------------------------|------------------------|
| 35212— $\frac{3}{8}$ " | 35214— $\frac{1}{2}$ " | 35218— $\frac{3}{4}$ " | 35224— $\frac{1}{2}$ " |
| | 35216— $\frac{1}{2}$ " | 35220— $\frac{3}{8}$ " | |

Regular Thin Double Hex:

- | | | | |
|-------------------------|------------------------|------------------------|-------------------------|
| *35110— $\frac{1}{8}$ " | 35118— $\frac{1}{8}$ " | 35122— $\frac{1}{8}$ " | 35130— $\frac{1}{8}$ " |
| 35112— $\frac{3}{8}$ " | 35119— $\frac{1}{8}$ " | 35124— $\frac{3}{4}$ " | 35132—1" |
| 35114— $\frac{1}{8}$ " | 35120— $\frac{3}{8}$ " | 35126— $\frac{1}{8}$ " | 35134—1 $\frac{1}{8}$ " |
| 35116— $\frac{1}{2}$ " | 35121— $\frac{1}{8}$ " | 35128— $\frac{7}{8}$ " | |

*Single Hex

Long Double Hex Socket:

- | | | | |
|------------------------|------------------------|------------------------|-------------------------|
| 35314— $\frac{1}{8}$ " | 35320— $\frac{3}{8}$ " | 35326— $\frac{1}{8}$ " | 35332—1" |
| 35316— $\frac{1}{2}$ " | 35322— $\frac{1}{8}$ " | 35328— $\frac{7}{8}$ " | 35336—1 $\frac{1}{8}$ " |
| 35318— $\frac{3}{8}$ " | 35324— $\frac{3}{4}$ " | 35330— $\frac{1}{8}$ " | |

Universal Joint Socket, Double Hex:

- | | | | |
|------------------------|------------------------|------------------------|------------------------|
| 35414— $\frac{1}{8}$ " | 35416— $\frac{1}{2}$ " | 35420— $\frac{3}{8}$ " | 35424— $\frac{3}{4}$ " |
| | 35418— $\frac{1}{8}$ " | 35422— $\frac{1}{8}$ " | |

Screwdriver:

- | | |
|-----------------------------|-----------------------------|
| 39965—.035x $\frac{1}{4}$ " | 39966—.040x $\frac{1}{4}$ " |
|-----------------------------|-----------------------------|

Free name plate mounts behind built-in tumbler lock.

No. 50B—Complete List price \$97.00

30K NUGGET SET

Thirty-piece general utility assortment. Includes double hex, double square and long deep sockets plus 8 basic handles and attachments. Red-enameled No. 19515 case (size 17" x 5 $\frac{1}{2}$ " x 3") is compact home for the following assortment of light-weight, double-duty Nuggets.

HANDLES AND ATTACHMENTS

- | | |
|------------------------|---------------------|
| 39978—Universal Jt. | 39986—Handle Bar |
| 39979—Drag Link Socket | 39990—10" Extension |
| 39983—6" Extension | 39997—Ratchet |
| 39985—15" Offset | 39999—Brace |

SOCKETS

Double Square:

- | | | |
|------------------------|------------------------|------------------------|
| 35216— $\frac{1}{2}$ " | 35218— $\frac{1}{8}$ " | 35220— $\frac{3}{8}$ " |
|------------------------|------------------------|------------------------|

Regular Thin Double Hex:

- | | | | |
|-------------------------|------------------------|------------------------|-------------------------|
| *35110— $\frac{1}{8}$ " | 35118— $\frac{1}{8}$ " | 35122— $\frac{1}{8}$ " | 35130— $\frac{1}{8}$ " |
| 35112— $\frac{3}{8}$ " | 35119— $\frac{1}{8}$ " | 35124— $\frac{3}{4}$ " | 35132—1" |
| 35114— $\frac{1}{8}$ " | 35120— $\frac{3}{8}$ " | 35126— $\frac{1}{8}$ " | 35134—1 $\frac{1}{8}$ " |
| 35116— $\frac{1}{2}$ " | 35121— $\frac{1}{8}$ " | 35128— $\frac{7}{8}$ " | |

*Single Hex

Long Double Hex Socket:

- | | | | |
|------------------------|------------------------|------------------------|----------|
| 35318— $\frac{1}{8}$ " | 35326— $\frac{1}{8}$ " | 35328— $\frac{7}{8}$ " | 35332—1" |
|------------------------|------------------------|------------------------|----------|

No. 30K—Complete List price \$49.85

17K NUGGET SET

Seventeen-piece assortment with popular socket sizes plus hinged offset and handle bar. Ideal for service stations, tire shops and truckers. An easy start toward mechanics's complete Nugget equipment. Furnished in trim No. 19516 red case, size 15 $\frac{1}{2}$ "x2 $\frac{1}{2}$ "x2".

CONTENTS OF SET

- | | |
|---------------------|------------------|
| 39985—Hinged Offset | 39986—Handle Bar |
|---------------------|------------------|

Regular Thin Double Hex Sockets:

- | | | | |
|-------------------------|------------------------|------------------------|-------------------------|
| *35110— $\frac{1}{8}$ " | 35118— $\frac{1}{8}$ " | 35122— $\frac{1}{8}$ " | 35130— $\frac{1}{8}$ " |
| 35112— $\frac{3}{8}$ " | 35119— $\frac{1}{8}$ " | 35124— $\frac{3}{4}$ " | 35132—1" |
| 35114— $\frac{1}{8}$ " | 35120— $\frac{3}{8}$ " | 35126— $\frac{1}{8}$ " | 35134—1 $\frac{1}{8}$ " |
| 35116— $\frac{1}{2}$ " | 35121— $\frac{1}{8}$ " | 35128— $\frac{7}{8}$ " | |

*Single Hex

No. 17K—Complete List price \$21.60



FREE NAMEPLATE

A neat chromium-finished nameplate is sent free to all buyers of 99DD, 50B, 77L and 77K Nugget wrench sets. The type above is furnished with the 50B and 99DD, and assembles behind the tumbler lock. 77L and 77K receive attractive rectangular nameplate. You will be proud to have your name identify a modern set of Nuggets!

the Sensational New

TORKFLASH

TRADE MARK REGISTERED

TENSION WRENCH



Flash Signal

TELLS YOU WHEN TO STOP PULLING

Unique light feature instantly signals when proper tension is reached. Desired tension is PRE-SET on "5-in-1" scale which indicates Inch-Pounds, Foot-Pounds, Spark Plugs, and U.S.S. and S.A.E. Bolts.

PATENT PENDING

A PRECISION TOOL . . .

PERMANENTLY ACCURATE because TORKFLASH measures deflection of its standard spring-steel shaft directly. The most simple, practical, accurate method known. No delicate coils or hair springs, no friction lever devices or dial hook-ups! Dropping does not affect accuracy nor impair operation of flash signal.

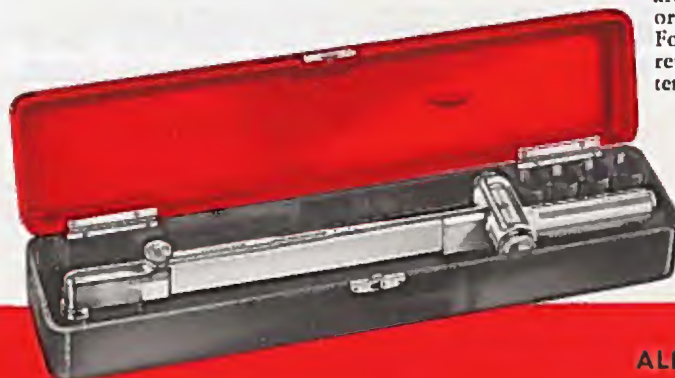
TORKFLASH IS NECESSARY

for use on all Automobile, Truck, Tractor, Diesel, Airplane, Industrial Assembly and Specialty Jobs where a series of bolts must be tightened uniformly.

SMALL BOLTS are not broken with "measured" pulls of TORKFLASH.

FREE INTRODUCTORY OFFER

This bakelite case (below) — in brilliant red and glossy black — is a beautiful "home" for the sparkling chromium Torkflash. Furnished free with each Torkflash tension wrench—for limited time only.

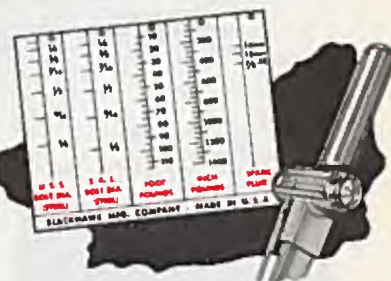


PRACTICAL . . . ACCURATE . . . SIMPLE . . .

Torkflash results from two years of experimental research. Realizing that every mechanic must own a tension wrench—Blackhawk sought the most practical, accurate, and simple design at the lowest possible cost to mechanics. Torkflash is Blackhawk's answer—Just set pointer at required pull—the flash tells you when to stop pulling.

FIVE - IN - ONE TENSION SCALE

No mathematics necessary to operate Torkflash! Has all "Units of Measure" found in service and instruction manuals. Five-in-one scale (at right) slips over cylinder enclosing flashlight assembly at base of handle grip. Cylinder is rotated by finger pressure to show desired scale. When no tension recommendations in either inch-pounds or foot-pounds are available for special jobs—simply determine U.S.S. or S.A.E. bolt diameter and set pointer accordingly. For checking pre-set tensions direct—simply reverse revolving scale unit so that pointer pulls from zero to tension of bolts.



CHOICE OF TWO DRIVES

Nos.	List Price
39975—Double-Duty 7/16" square drive . .	\$16.00
49975—Standard 1/2" square drive	16.00

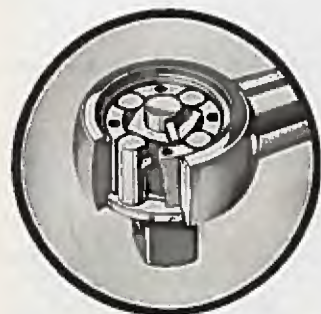
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ALL LIST PRICES SUBJECT TO DISCOUNT



RATCHETS

Selected Alloy Steel—Chromium Plated



Cut-through view of "Free Wheeler" showing construction. Rollers held firmly in contact by spring-backed plunger.



Narrow, neat appearing head of No. 49996. Convenient lobes on top plate facilitate reversing. Simply hold plate with thumb and turn socket.



Note 3/4" square opening on top side of 34999 and 24992 ratchets for refrigerator valves. Ratchet reverses by simply flipping lever indicated by arrow.

Reversible "Free Wheeling" Ratchets

3/8" & 1/2" Square "Lock-On" Drive

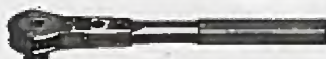
U. S. Pat. Nos.
2,003,155
1,936,640

Note these outstanding features — instant reverse without removing sockets — noiseless smooth operation — no teeth — no back-lash — instant reverse in any position — no play — small diameter head—narrow neck—light weight—true balance.

Number	Dia. of Head	Length	"Lock-On" Drive	List Price
34981	1 1/8"	7"	3/8"	\$6.25
49997	1 1/8"	10 1/2"	1/2"	7.50

Mechanical Ratchets—Reversible

1/4" & 3/8" Square "Lock On" Drive



Two dual purpose mechanical ratchet wrenches—one has 3/8" drive, the other has 1/4" drive. Both have 3/4" square opening in back of lug for refrigerator valves.

34999	1"	6 3/4"	3/8"	\$4.00
24992	1"	5 3/4"	1/4"	4.00

1/2" Square "Lock-On" Drive



U. S. Pat. No.
1,995,009

A greatly improved mechanical ratchet. Double ratchet engagement gives smoother action — reverses instantly without removing sockets (see illustration at left) — small head, 1 1/4" diameter and narrow neck.

49996	1 1/4"	10 1/2"	1/2"	\$6.00
-------	--------	---------	------	--------

NOTE REVERSING LEVER



For fast action in close quarters—long leverage to jerk nuts loose or set them home. Instant reverse. Cadmium plated—unusually tough and strong.

49977	10"	1/2"	\$3.00
-------	-----	------	--------

3/4" & 1" Square "Lock-On" Drive



U. S. Pat. No. 1,873,472 and No. 1,807,134

For all heavy duty work. Instantly reversible by shifting patented lug.

69999	2 1/4"	16"	3/4"	\$10.35
89999	2 1/4"	20"	1"	16.00

Replacement Drive Lugs

Number	"Lock-On" Sq. Drive	For use with Ratchet No.	List Price
49995	3/8"	Old 9811	\$0.50
69989	3/4"	916N & 69999	1.00
89994	1"	89999	1.20
T13	1 1/2"	Old 911X	.35

**SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13**

ALL LIST PRICES SUBJECT TO DISCOUNT



OFFSET HANDLES

Selected Alloy Steel—Chromium Plated



These Blackhawk offset handles are built to give greater leverage—more power—and easier work. Trim in appearance—balanced—and tough enough for all work. Note the outstanding features as illustrated.

Hinged Offset Handles

No.	Stock Dia.	Length	"Lock-On" Sq. Dr.	List Price
24999	1/4"	5"	3/4"	\$2.00
34986	1/4"	8"	3/4"	2.85
49984	3/8"	11 3/4"	3/4"	3.25
49985	3/8"	15 3/4"	3/4"	3.60
49988	3/8"	18"	1/2"	4.30
69998	1 1/8"	19"	3/4"	7.15

Sliding Offsets



49982	1/4"	11"	3/4"	\$1.90
69997	1 1/8"	18"	3/4"	3.75

Obstruction Offset Handles



24994	1/4"	5"	3/4"	\$1.50
49981	3/8"	11"	3/4"	2.60

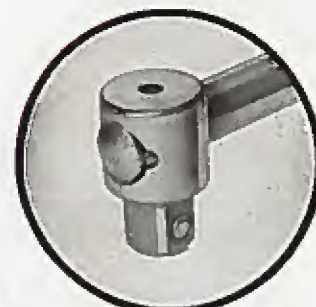
Handle Bars



24997	3/4" diameter, 4 1/2" long. Used with 24996 to make T or L wrenches.....	\$0.40
34985	3/4" diameter, 7" long. Used with 34988, 34987, 34984, 34986, 34983, 34981 and 34997 to make T or L wrenches.....	.50
49986	1/2" diameter, 11" long. Used with 49983, 49984, 49985, 49987, 49988 and 49990 to make T or L wrenches. Also for extra leverage with 49981, 49996, and 49997....	.60
69996	1 1/8" diameter, 18" long. Used with 69998, 69995 and 69994 to make T or L wrenches	1.50



Double duty wrenches — Hinged Offsets can also be used as T or L wrench. Note cross hole in grip for use with handle bar.



Plenty of clearance with these Sliding Offsets. Handle does not stick out beyond head. Note recess for stop ball. Spring ball in heads holds it in any position.



Nothing beats the Obstruction Offsets for minimum clearance. Thin wide throat—small narrow head—but strength is there plenty.

SEE DOUBLE-DUTY NUGGETS AND SETS—Pages 6 to 13

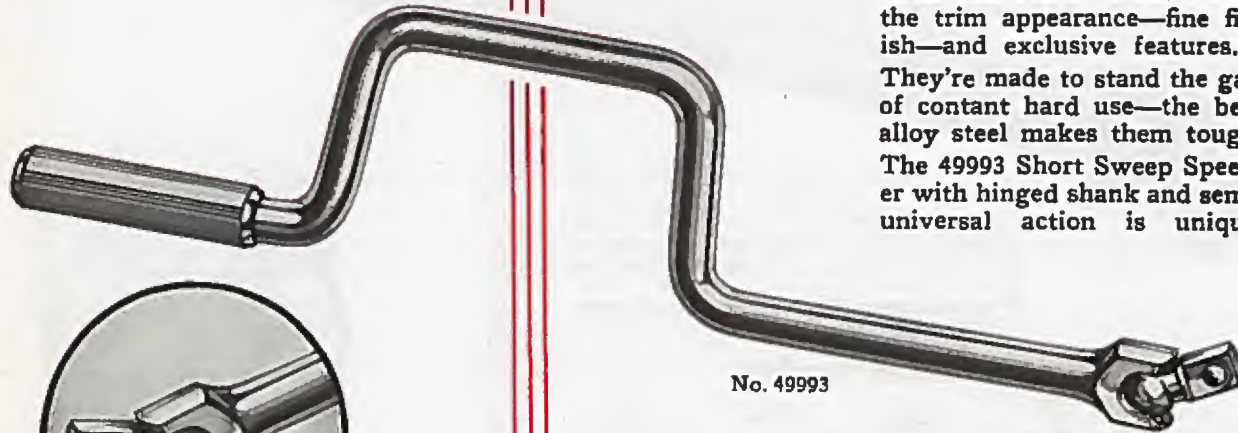
ALL LIST PRICES SUBJECT TO DISCOUNT

SPEEDERS

Selected Alloy Steel—Chromium Plated

Speeders by Blackhawk mean faster and better work. Notice the trim appearance—fine finish—and exclusive features.

They're made to stand the gaff of constant hard use—the best alloy steel makes them tough. The 49993 Short Sweep Speeder with hinged shank and semi-universal action is unique.



No. 49993

Hinged Universal Speeder

(Shown Above)

A practical short sweep speeder that combines both a hinged shank for offset leverage and semi-universal action for speed in close quarters.

No.	Stock Dia.	Length	Shank Length	Sweep	"Lock-On" Sq. Drive	List Price
49993	$\frac{1}{2}$ "	17 $\frac{1}{4}$ "	7"	2 $\frac{3}{4}$ "	$\frac{1}{2}$ "	\$5.00



Here's the head that makes the 49993 a real nut bound. Slotted throat gives 90° offset for leverage and 45° universal action.

Brace Handles



49992	$\frac{1}{2}$ "	15 $\frac{1}{4}$ "	6"	4 $\frac{3}{4}$ "	$\frac{1}{2}$ "	\$2.60
49999	$\frac{1}{2}$ "	19"	8 $\frac{1}{2}$ "	4 $\frac{3}{4}$ "	$\frac{1}{2}$ "	2.80

Grip handles on Braces never come off, stick, or jam. They're held by Blackhawk's patented method as shown. Smooth action means easy work.



U. S. Pat. No. 1,764,690

Arrows indicate hardened thrust and sleeve bearings that make for real speed — minimize wear and prevent sticking. Note grip is spun onto handle — can't come off.

SEE DOUBLE-DUTY NUGGETS AND SETS — Pages 6 to 13

Speeder Handles



34982	$\frac{1}{4}$ "	18"	10"	3 $\frac{1}{4}$ "	$\frac{3}{8}$ "	\$2.00
49994	$\frac{1}{2}$ "	19"	11"	4 $\frac{3}{4}$ "	$\frac{1}{2}$ "	2.60

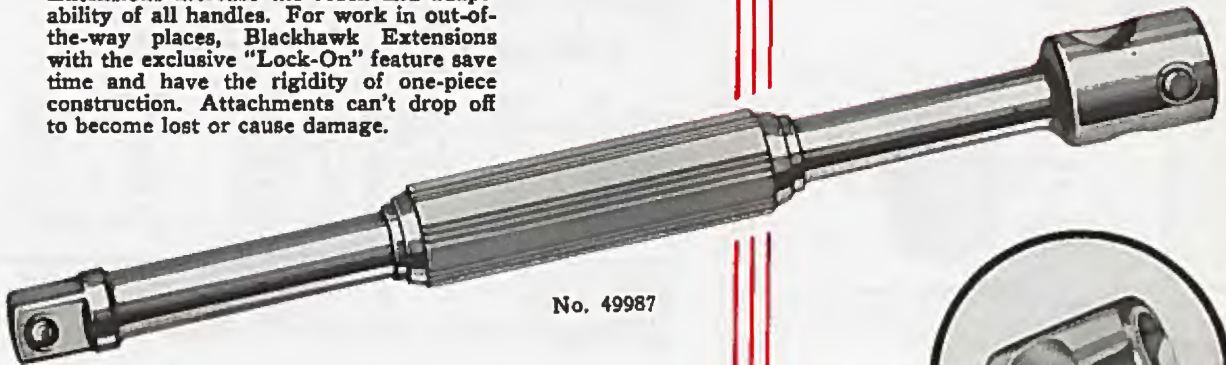
ALL LIST PRICES SUBJECT TO DISCOUNT



EXTENSIONS

Selected Alloy Steel—Chromium Plated

Extensions increase the reach and adaptability of all handles. For work in out-of-the-way places, Blackhawk Extensions with the exclusive "Lock-On" feature save time and have the rigidity of one-piece construction. Attachments can't drop off to become lost or cause damage.



No. 49987

Extensions with Revolving Grip

No.	Stock Dia.	Length	"Lock-On" Sq. Drive	List Price
49983	3/4"	6"	3/4"	\$2.15
49987	3/4"	10"	3/4"	2.50

Grip Handle and Extension



Here are two tools in one. Use them as a grip handle to quickly set a nut—or as an extension for extra reach. Ideal for ignition and carburetor work. Cross drilled for handle bar to make T or L.

24998	3/4"	5"	3/4"	\$1.20
34997	1 1/4"	5"	3/4"	1.70

Standard Extension Bars



†24996	3/4"	5"	3/4"	\$1.05
34988	3/4"	3"	3/4"	1.40
34987	3/4"	5"	3/4"	1.50
34984	3/4"	10"	3/4"	1.60
34983	3/4"	18"	3/4"	2.15
††49989	...	2"	3/4"	1.20
49990	3/4"	10"	3/4"	2.00

†Not equipped with Lock-On.
††Similar in appearance to No. 89998 shown below. Can be used with handle bar No. 49986 to make sliding offset.

Heavy and Extra Heavy Duty Extensions



69995	1 1/4"	8 1/2"	3/4"	\$3.10
69994	1 1/4"	17"	3/4"	3.80
89996	1 1/4"	9"	1"	5.50
89995	1 1/4"	18"	1"	6.50

Sliding T—Extra Heavy Duty



No. 89997—Bar only, 1 1/4" dia., 23" long. Used with 89996, 89995, and 89998. List Price, each.....\$2.70

89998—Head and adaptor for 89997, 1" Square Lock-On Drive. List Price, each.....3.20

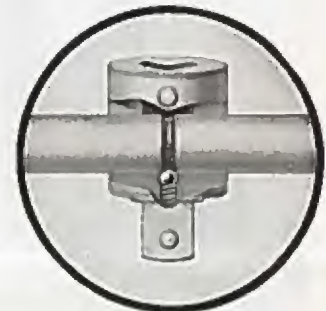
All Extra Heavy Duty Series—1" square drive are finished in Cadmium.



Blackhawk Extensions do double duty—cross hole in head takes handle bar to make T or L wrench. Spring ball holds bar firmly in any position.



Note the trim, clean, business-like appearance of the Blackhawk drive. Edges chamfered to prevent sticking—milled to a perfect fit—with butt stop that keeps socket in position.



Here's a feature of the Sliding T—spring ball in head engages with groove in center of handle to prevent slipping—a real convenience for heavy work.

SEE DOUBLE-DUTY NUGGETS AND SETS—Pages 6 to 13



No. 21006 Series



No. 30008 Series



No. 40112 Series



No. 30314 Series



No. 19055 Set



Nos. 21106 Series
30108 "
40210 "



Nos. 3327—3329—3731
Complete with Handle.

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

SOCKETS

Selected Alloy Steel—Chromium Plated

To determine socket size—last two figures in each socket number indicates size in 32nds of an inch. Example: No. 40114 indicates 14/32" or 7/16".

Extra Small Series—1/4" Square Drive

Thin Wall Double Hex Sockets					
No.	Socket Size	List Price	No.	Socket Size	List Price
†21006	1/8"	\$0.45	†21010	1/8"	\$0.45
†21007	1/8"	.45	†21011	1/8"	.45
†21008	1/8"	.45	21012	3/16"	.45
†21009	1/8"	.45	21014	1/4"	.45

†Single Hex.

Double Square Sockets

†21106	1/8"	\$0.45	21112	3/16"	\$0.55
21108	3/16"	.45	21114	1/8"	.55
21110	1/8"	.45	21116	3/16"	.55

†Single Square

Small Series—3/8" Square "Lock-On" Drive

Thin Wall Double Hex Sockets					
†30008	3/8"	\$0.70	30018	1/8"	\$0.70
†30010	1/8"	.70	30020	3/16"	.70
30012	3/8"	.70	30022	1/8"	.80
30014	1/8"	.70	30024	3/16"	.80
30016	3/8"	.70			

†Single Hex.

Double Square Sockets

30108	3/8"	\$0.80	30114	1/8"	\$0.90
30110	1/8"	.80	30116	3/16"	.90
30112	3/8"	.80			

Long Thin Wall Double Hex Sockets 1 1/4" to 2" Long Over All Lengths

30314	1/8"	\$0.90	30320	3/16"	\$1.00
30316	3/16"	.90	30322	1/8"	1.15
30318	1/8"	1.00	30324	3/16"	1.25

No. 19083 Set—Long Thin Wall Sockets

NEW! Includes all six sizes of long, thin-wall double hex sockets in 3/8" series—range from 1/8" to 3/4". Contents: One each Nos. 30314, 30316, 30318, 30320, 30322 and 30324. No.

19083 Set—Packed in cardboard box.....List Price, Each \$6.20

Standard Series—1/2" Sq. "Lock-On" Drive

Thin Wall Double Hex Sockets								
40112	3/8"	\$0.80	40121	1/8"	\$0.80	40130	1/8"	\$1.20
40114	1/2"	.80	40122	1/8"	.80	40131	1/8"	1.20
40116	3/4"	.80	40124	3/8"	.95	40132	1"	1.20
40118	1"	.80	40125	1/8"	.95	40134	1 1/8"	1.50
40119	1 1/8"	.80	40126	1/8"	.95	40136	1 1/4"	1.60
40120	3/4"	.80	40128	3/4"	.95	40140	1 1/4"	1.70

No. 19055 Set—Thin Wall Sockets

Fourteen of the most popular Thin Wall Sockets packed in strong cardboard box. "Lock-On" feature, 3/4" square drive. Sizes from 1/8" to 1". One each Nos. 40114, 40116, 40118, 40119, 40120, 40121, 40122, 40124, 40125, 40126, 40128, 40130, 40131 and 40132.

No.
19055—List Price Each.....\$13.00

Double Square Sockets

40210	1/8"	\$0.75	40220	3/16"	\$0.75	40230	1/8"	\$1.40
40212	3/16"	.75	40222	1/8"	.80	40232	1"	1.40
40214	1/8"	.75	40224	3/16"	.90	40234	1 1/8"	1.60
40216	3/8"	.75	40225	1/8"	.90	40236	1 1/4"	1.75
40218	1/8"	.75	40226	1/8"	1.05	40240	1 1/4"	1.85
40219	1/8"	.75	40228	3/16"	1.15			

Spark Plug Sockets

3327—For all 1/2" hexagon spark plugs.....\$0.60
3329—For all 7/16" and 1" hexagon spark plugs......60
3731—For all 1/2" and 1 1/4" hexagon spark plugs......60

ALL LIST PRICES SUBJECT TO DISCOUNT

Stand. Series— $\frac{1}{2}$ " Sq. "Lock-On" Dr.—Cont.

Extra Deep Thin Wall Double Hex Sockets

Here is a complete series of extra deep, thin wall double hex sockets. Designed for removing spark plugs—shackle bolts and spring clip nuts. $\frac{1}{2}$ " square "Lock-On" drive-broaching adapts them to handles in the standard series. Cross hole permits use of bar for leverage. $3\frac{1}{4}$ " over-all length.

No.	Socket Size	Max. Diam.	List Price	No.	Socket Size	Max. Diam.	List Price
40316	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	\$1.45	40326	$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	\$1.60
40318	$\frac{7}{16}$ "	$1\frac{1}{8}$ "	1.45	40328	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	1.60
40320	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1.60	40330	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	1.75
40322	$\frac{1}{2}$ "	$1\frac{1}{8}$ "	1.60	40332	1"	$1\frac{1}{8}$ "	1.75
40324	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	1.60	40336	$1\frac{1}{4}$ "	$1\frac{1}{8}$ "	1.95

See table of sockets required for various spark plug sizes—upper right.

No. 19051 Set—Extra Deep Sockets

A complete set of deep—thin wall double hex sockets. Sockets range from $\frac{1}{4}$ " to $1\frac{1}{8}$ ". Every car, truck or tractor can be serviced with this set. Packed in strong cardboard box. Contents: One each Nos. 40316, 40318, 40320, 40322, 40324, 40326, 40328, 40330, 40332 and 40336.

No.
19051—List Price Each\$16.35

No. 19082 Set—Spark Plug Sockets

NEW! Five selected spark plug sockets to handle all 1939 model cars. Extra deep, thin wall double hex $\frac{1}{2}$ " series. Range from $\frac{5}{8}$ " to 1". Packed in strong cardboard box.

Contents: One each Nos. 40320, 40322, 40326, 40328 and 40332.

No.
19082 Set—Packed in cardboard box.....List Price, Each \$8.15

Heavy Duty Series— $\frac{3}{4}$ " Sq. "Lock-On" Drive

Double Hex Sockets

60028	$\frac{3}{8}$ "	\$1.25	60040	$1\frac{1}{4}$ "	\$1.75	60052	$1\frac{1}{8}$ "	\$2.20
60030	$\frac{1}{2}$ "	1.25	60042	$1\frac{1}{8}$ "	1.75	60054	$1\frac{1}{4}$ "	2.60
60031	$\frac{1}{2}$ "	1.25	60044	$1\frac{1}{4}$ "	1.75	60056	$1\frac{1}{4}$ "	2.60
60032	1"	1.25	60046	$1\frac{1}{8}$ "	1.90	60058	$1\frac{1}{8}$ "	3.00
60034	$1\frac{1}{8}$ "	1.55	60048	$1\frac{1}{4}$ "	1.90	60060	$1\frac{1}{4}$ "	3.00
60036	$1\frac{1}{4}$ "	1.55	60050	$1\frac{1}{8}$ "	2.20	60064	2"	3.75
60038	$1\frac{1}{8}$ "	1.55						

Double Square Sockets

60128	$\frac{3}{8}$ "	\$2.20	60136	$1\frac{1}{4}$ "	\$2.30	60146	$1\frac{1}{8}$ "	\$4.00
60132	1"	2.20	60140	$1\frac{1}{4}$ "	2.85	60152	$1\frac{1}{4}$ "	4.95
60134	$1\frac{1}{8}$ "	2.30						

Extra Heavy Duty Series—1" Sq. "Lock-On" Dr.

Single Hex Sockets

80034	$1\frac{1}{8}$ "	\$1.90	80060	$1\frac{1}{4}$ "	\$4.25	80082	2 $\frac{1}{8}$ "	\$10.00
80036	$1\frac{1}{4}$ "	1.90	80062	$1\frac{1}{8}$ "	4.50	80084	$2\frac{1}{4}$ "	10.75
80040	$1\frac{1}{4}$ "	2.00	80064	2"	4.75	80086	$2\frac{1}{2}$ "	11.50
80042	$1\frac{1}{8}$ "	2.00	80066	$2\frac{1}{8}$ "	5.50	80088	$2\frac{3}{4}$ "	12.25
80044	$1\frac{1}{4}$ "	2.00	80068	$2\frac{1}{4}$ "	6.00	80090	$2\frac{1}{2}$ "	13.00
80046	$1\frac{1}{8}$ "	2.25	80070	$2\frac{1}{8}$ "	6.25	80092	$2\frac{3}{4}$ "	13.75
80048	$1\frac{1}{4}$ "	2.60	80072	$2\frac{1}{4}$ "	6.50	80094	$2\frac{1}{2}$ "	14.50
80050	$1\frac{1}{8}$ "	2.60	80074	$2\frac{1}{8}$ "	7.00	80096	3"	15.25
80052	$1\frac{1}{4}$ "	2.90	80076	$2\frac{3}{4}$ "	7.75	80098	$3\frac{1}{8}$ "	16.00
80054	$1\frac{1}{8}$ "	3.25	80078	$2\frac{1}{4}$ "	8.50	80100	$3\frac{1}{4}$ "	16.75
80056	$1\frac{1}{4}$ "	3.50	80080	$2\frac{3}{4}$ "	9.25	*80112	$3\frac{3}{4}$ "	30.00
80058	$1\frac{1}{8}$ "	3.75						

Single Square Sockets

81034	$1\frac{1}{8}$ "	\$2.30	81044	$1\frac{1}{4}$ "	\$4.40	81052	$1\frac{1}{4}$ "	\$6.90
81036	$1\frac{1}{4}$ "	2.30	81046	$1\frac{1}{8}$ "	5.75	81058	$1\frac{1}{8}$ "	7.00
81038	$1\frac{1}{8}$ "	2.75	81050	$1\frac{1}{8}$ "	6.15	81064	2"	8.30
81040	$1\frac{1}{4}$ "	3.30						

*Produced only on special order.

ALL LIST PRICES SUBJECT TO DISCOUNT

TABLE OF SOCKET NOS. FOR VARIOUS TYPES OF SPARK PLUGS

No.	Size	Spark Plug
40322	$\frac{1}{2}$ "	10 mm. Globe, Auto Lite and Champion
40318	$\frac{7}{16}$ "	10 mm. AC-Y series
40320	$\frac{1}{2}$ "	10 mm. AC-104 series
40326	$\frac{1}{2}$ "	14 mm. All Makes
40332	1"	18 mm. All Makes

AVIATION

40322	$\frac{1}{2}$ "	B&G & Champion
40332	1"	B&G & Champion
40324	$\frac{3}{4}$ "	Benton
40328	$\frac{1}{2}$ "	Bendix (scintilla)

See page 9 for Long, Deep Nugget Sockets handling same work as per above sizes.



No. 40316



No. 19051

IMPORTANT

— Do not draw down spark plugs with ordinary wrench. Guesswork may crack porcelain or spread points, reducing life of plug or causing poor firing. Use Torckflash tension wrench for "measured" pulls and proper setting. See page 13.



No. 60028 Series



No. 80034 Series

SEE DOUBLE-DUTY NUGGETS AND SETS—Pages 6 to 13



No. 49980



Nos. 24993
49978
34993
69993



No. 30212 Series



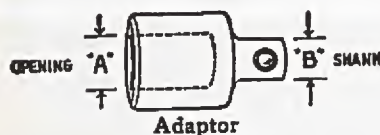
Nos. 34994
34995
34996



Nos. 49979
34991



No. 69991



Adaptor

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

SOCKETS AND ATTACHMENTS

Selected Alloy Steel—Chromium Plated

Stud Setter and Extractor

Used with any standard $\frac{1}{4}$ " square drive handle. Has 2 drilled holes for changing position of serrated gear to fit studs from $\frac{1}{4}$ " to $\frac{3}{4}$ ". Gears are milled and not knurled—thus providing longer life.

No.	List Price
49980	\$3.60

Universal Joints

A greatly improved series of universal joints—stock diameter reduced offering more clearance—accessibility increased by shortened over-all length—and full 90° angle to reach awkward jobs.

No.	Sq. Dr.	List Price	No.	Sq. Dr.	List Price
24993	$\frac{1}{4}$ "	\$2.00	49978	$\frac{1}{4}$ "	\$2.60
34993	$\frac{3}{8}$ "	2.40	69993	$\frac{3}{8}$ "	6.25

Universal Joint Sockets

All Double Hex with $\frac{3}{8}$ " Square "Lock-On" Drive.

No.	Size Socket	List Price	No.	Socket Size	List Price
30212	$\frac{3}{8}$ "	\$2.60	30220	$\frac{1}{2}$ "	\$2.60
30214	$\frac{7}{8}$ "	2.60	30222	1"	2.75
30216	$\frac{1}{2}$ "	2.60	30224	$\frac{3}{4}$ "	2.75
30218	$\frac{5}{8}$ "	2.60			

Screw Driver Bits

Used with any $\frac{3}{8}$ " square drive handle. Very useful on magneto, carburetor and ignition work. Made of special tool steel, properly heat treated and hardened—Chromium plated.

No.	Size of Blade	Length	"Lock-On" Sq. Dr.	List Price
34994	.025" x $\frac{1}{8}$ "	$3\frac{1}{4}$ "	$\frac{3}{8}$ "	\$1.00
34995	.035" x $\frac{1}{4}$ "	$3\frac{1}{4}$ "	$\frac{3}{8}$ "	1.00
34996	.040" x $\frac{1}{2}$ "	$3\frac{1}{4}$ "	$\frac{3}{8}$ "	1.10

Tie Rod and Screw Driver Attachments

No.	Edge of Blade	Length	"Lock-On" Sq. Dr.	List Price
34991	1" x $\frac{1}{8}$ "	1"	$\frac{3}{8}$ "	\$0.85
49979	1" x $\frac{1}{4}$ "	$1\frac{1}{2}$ "	$\frac{3}{8}$ "	1.00

Adaptors

Note new adaptors—Nos. 39964, 49974, 34964 and 39974—enabling use of $\frac{1}{8}$ " Nugget series with "specials" in $\frac{3}{8}$ " and $\frac{1}{2}$ " drives.

Adaptor No.	Female Opening "A"	Used on Handles to	Male End "B"	List Price
39964	$\frac{3}{8}$ "	Increase to	$\frac{1}{8}$ "	\$0.80
49974	$\frac{1}{2}$ "	Increase to	$\frac{1}{2}$ "	.80
69992	$\frac{1}{4}$ "	Increase to	$\frac{3}{4}$ "	1.25
79998	$\frac{3}{4}$ "	Increase to	$\frac{1}{4}$ "	2.00
89993	$\frac{3}{4}$ "	Increase to	1"	2.40
89992	$\frac{3}{4}$ "	Increase to	1"	2.50
34964	$\frac{7}{8}$ "	Decrease to	$\frac{3}{4}$ "	.80
39974	$\frac{3}{4}$ "	Decrease to	$\frac{1}{8}$ "	.80
49991	$\frac{3}{4}$ "	Decrease to	$\frac{1}{2}$ "	1.25
69988	$\frac{7}{8}$ "	Decrease to	$\frac{3}{4}$ "	2.00
69990	1"	Decrease to	$\frac{3}{4}$ "	2.90
79999	1"	Decrease to	$\frac{1}{2}$ "	2.50
†69991	$\frac{3}{4}$ "	Decrease to	$\frac{1}{2}$ "	1.40

†Ratchet drive adaptor.

ALL LIST PRICES SUBJECT TO DISCOUNT

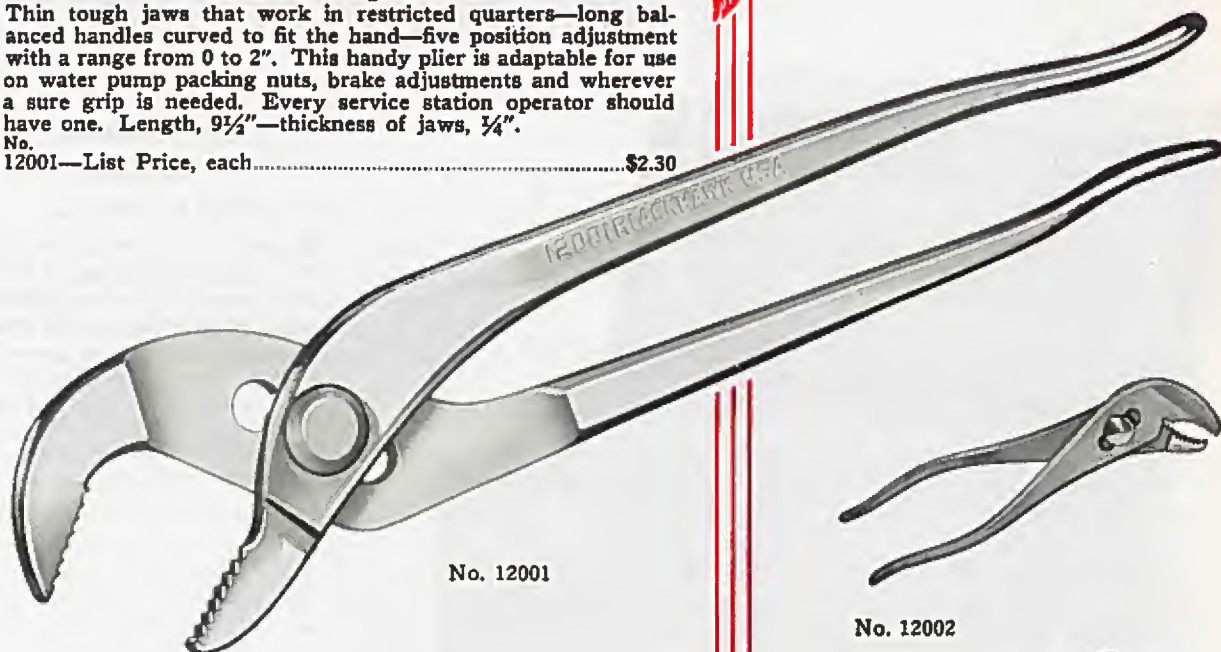


HANDLES AND ATTACHMENTS

Water Pump Pliers

Thin tough jaws that work in restricted quarters—long balanced handles curved to fit the hand—five position adjustment with a range from 0 to 2". This handy plier is adaptable for use on water pump packing nuts, brake adjustments and wherever a sure grip is needed. Every service station operator should have one. Length, 9½"—thickness of jaws, ¼".

No.
12001—List Price, each.....\$2.30



No. 12001

Universal Pliers

Ideal for a wide range of uses including adjustments on water pumps, head-light mountings, brakes, battery terminals, etc. Three position jaw adjustment. Length, 7". Thickness of jaws, ⅜".

No.
12002—List Price, each.....\$2.30



No. 12002

Universal Ignition Pliers

New style Ignition Pliers, with full-fashioned grip handle. Easier to hold and to work with. Especially adapted to ignition service, carburetors, radios and other small jobs. Three position slip jaws provide opening range from 0 to ⅝". Thickness of jaws, ⅛"; over-all length, 5".

No.
H1—List Price, each.....\$1.85



No. H1

Steel-Draulic Brake Pliers

Fits all Steel-Draulic Brakes.

No.
2581—Overall length 5¼". List Price.....\$2.60

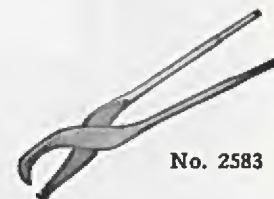


No. 2581

Brake Spring Pliers

For removing and replacing internal brake springs.

No.
2583—Length 12½". List Price\$3.40



No. 2583

Midget Grip Handle

5" long, ¼" square friction drive. Has hard rubber handle giving sturdy grip for speed and leverage. Adapted for use with No. 24994 as an L wrench.

No.
24995—Length 5". List Price.....\$1.70



No. 24995

"Lock-On" Release Key

Used for releasing all "Lock-On" Sockets in the present ⅜" and old style ½" and ¾" square drive series.

No.
34990—Length 4⅞". List Price.....\$0.30



No. 34990

**SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13**

ALL LIST PRICES SUBJECT TO DISCOUNT

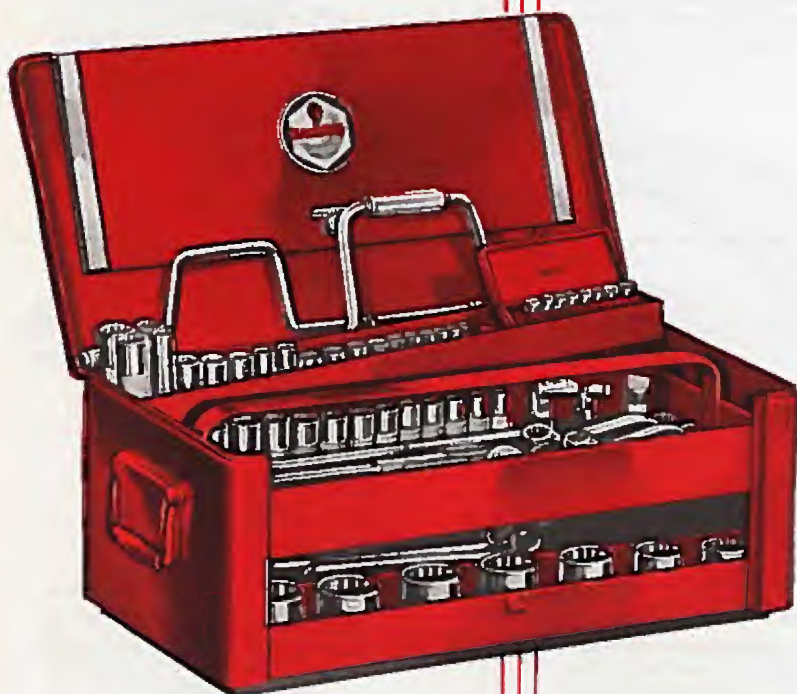


NEW BLACKHAWK MASTER MECHANIC WRENCH SET

THE TREASURE CHEST

The No. 70R Set

Mechanics — here is the glorified Blackhawk Treasure Chest! All dressed up in an improved case—streamlined—with attractive red enameling and chromium fittings. All wrenches feature the new "Gripline" design and have the exclusive "Lock-On" feature.



Design Patent
No. 103,914

Modern — Inside and Out

The new R case is built of strong welded steel. Top cover and front lift in one piece giving full access to the wrenches. Dependable tumbler lock protects tools against theft. Chromium strips—Blackhawk insignia—and your individual nameplate contrast brilliantly with the attractive red case.

The R case is 22½" long, 10" high, 12½" wide.



See Page 26 for
Contents of 70R
Set

The 70R assortment is the most complete yet compact line-up of essential handles, attachments and sockets ever offered in the regular series.

Sockets range from ¼" to 1½". Handles include ratchet, offset, speeder and extension styles. Yes, a wrench for any job, big or small, delicate or tough.

Black, ribbed-rubber matting covers the roomy compartments and tote trays offering protection against marring or scratching.

The R case fits into the RS stand (illustrated on page 23) to make a complete portable workshop.

**SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13**

No.	List Price
70R Set, 70 pieces in R case.....	\$116.00
R Case Only, 22½" long, 10" high, 12½" wide.....	23.75

NEW BLACKHAWK MASTER MECHANIC WRENCH SET

THE TREASURE ISLAND

No. 80RRS Set

Wheel your wrench workshop right to the job—save time and steps. This new Treasure Island is efficiency on wheels guaranteeing every mechanic better workmanship and bigger earnings.

Customers, too, are impressed with the serviceable appearance and beauty of this assortment.

The streamlined 80RRS provides 80 selected Blackhawk tools, the R case, and the RS stand. The base of the R case slips into the top of the welded-steel RS stand, forming one complete unit. Rubber-tired swivel casters roll the Treasure Island silently and easily over any floor. The stand, with the R case, is 34 $\frac{1}{4}$ " high, 12 $\frac{3}{4}$ " deep and 22 $\frac{1}{2}$ " wide. A large drawer and lower compartment provide plenty of space for overalls, drills, bulky tools, etc. This unit is the finest in modern wrench chest design.



Chest Easily Removed From Stand

The R case is quickly removed from the RS stand if the case is to be taken out of the shop. The RS stand is 25" high, 22 $\frac{1}{2}$ " wide and 12 $\frac{3}{4}$ " deep.

No.	List Price
80RRS Set, complete with R case and RRS stand.....	\$163.00
R Case Only, 22 $\frac{1}{2}$ " long, 10" high, 12 $\frac{3}{4}$ " wide.....	23.75
RS Stand Only, 25" high, 22 $\frac{1}{2}$ " wide, 12 $\frac{3}{4}$ " deep.....	22.50

ALL LIST PRICES SUBJECT TO DISCOUNT



Design Patent
Nos. 103,894
& 103,914

See Page 26 for
Contents of the
80RRS Set.

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

NEW BLACKHAWK MASTER MECHANIC WRENCH SETS



THE RED ROVER

70DS, 80DS, 90DS
and 100DS Sets

Here's a "natural" for the efficient shop! Scoot the Red Rover to the job and you have all tools and necessary equipment at your finger-tips. Customers will know they are served by a top-notch mechanic who does not run up a time-charge by walking around the shop to find scattered tools.

See Page 26 for Contents of 70DS, 80DS, 90DS and 100DS Sets.

Design Patent
No. 103,913

Shop Owners—Attention!

Dress up your back shop with these attractive and profit producing wrench assortments. Better tools mean better workmanship. Appearances count these days when customers are taking their business to the shop that displays efficient and modern equipment.

There is no finer way to produce new business and keep old customers coming back than to point out a well equipped shop. And Blackhawk wrench chests and stands will more than do their share.

This rolling workshop comes with assortments of 70, 80, 90 or 100 selected Blackhawk tools in its three roomy drawers. The DS stand is 33" high, 30" wide and 16" deep. All drawers slide on rollers and have built-in locks. Black ribbed-rubber matting in drawers and trays prevents tools from rattling and marring finish.

Rubber-tired casters glide the Red Rover over any floor—silently and easily. Drawers have subdivided interiors for keeping sockets and handles in order. This sturdy, welded-steel stand wheels tools and other equipment right to the job, saving countless trips to distant work benches.

There's no surer way to perform better work, get in solid with the boss and cinch your job than to own one of these glorious, complete wrench sets.

No.	List Price
70DS Set, Complete in DS stand.....	\$148.00
80DS Set, Complete in DS stand.....	168.00
90DS Set, Complete in DS stand.....	180.00
100DS Set, Complete in DS stand.....	201.00
DS Stand Only, 33" x 30" x 16"—East Coast.....	65.00
*DS Stand Only—West Coast.....	71.25

*West Coast Prices apply in Arizona, California, Idaho, Nevada, Oregon, Utah and Washington.

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

ALL LIST PRICES SUBJECT TO DISCOUNT

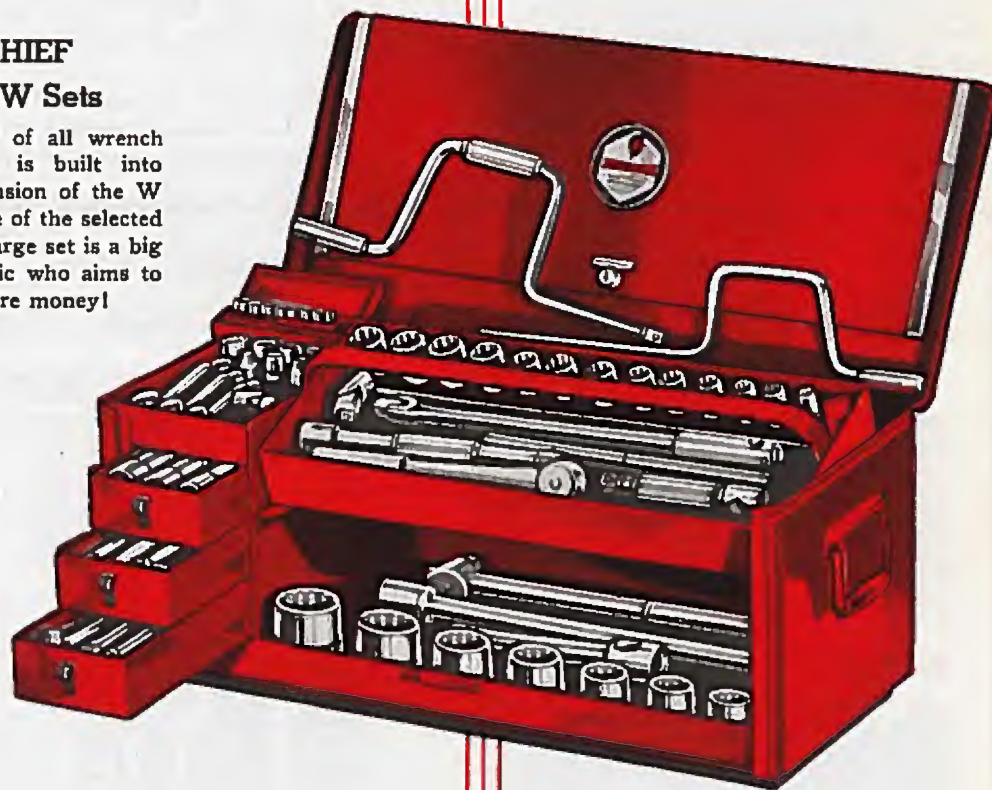
NEW BLACKHAWK MASTER MECHANIC WRENCH SETS

THE BIG CHIEF

90W and 100W Sets

Here is the Big Chief of all wrench cases! Modern design is built into every corner and dimension of the W chest and into every one of the selected tools it contains. This large set is a big "office" for the mechanic who aims to get ahead and make more money!

Design Patent
No. 103,912



W Case

This beautiful chest, with tote box and drawers, keeps tools in order and at your finger tips. All drawers are covered with black ribbed-rubber matting—a gleaming contrast with the polished chromium plating of the Blackhawk Wrenches. The streamlined, all-steel case is 27" long, 11½" high and 12¾" wide—a trim, modernistic beauty that glorifies any work-bench.

The big tool assortments available with the Big Chief Chest (either 90 or 100 pieces) are the most superb matched collections of regular wrenches the master mechanic can buy. A full range of sockets in all popular drives—plus all important socket handles, box-type and open-end wrenches—give the proud owner a one-way ticket to a better job and more money in the bank.

No.	List Price
90W Set, 90 pieces in W case.....	\$158.00
100W Set, 100 pieces in W case.....	183.00
W Case Only, 27" long, 11½" high, 12¾" wide.....	35.00

See Page 26 for Contents of 90W and 100W Sets

SEE DOUBLE-DUTY NUGGETS AND SETS—Pages 6 to 13

ALL LIST PRICES SUBJECT TO DISCOUNT



CONTENTS

of Blackhawk Master Mechanic Wrench Sets

Chart below lists and describes all wrench items in sets shown on pages 22, 23, 24 and 25.

FREE MECHANIC'S NAME PLATE FURNISHED WITH EACH SET!

Every tool in a Blackhawk Master Mechanic Wrench Set is a useful tool—no trick items or fillers included. Socket wrenches are furnished in four regular square drives: $\frac{1}{4}$ " extra small, $\frac{3}{8}$ " small, $\frac{1}{2}$ " standard and $\frac{3}{4}$ " heavy duty. Tools in each series include a complete assortment of handles, attachments and sockets.

Popular tappet, open-end and box-type wrenches complete these matched assortments—providing a full range of mighty tools to handle all repair work.

Contents of Sets

TOOLS IN SETS:

No.	Description	70R	80RRS	90W	100W
		70DS	80DS	90DS	100DS
Extra Small Series, 1/4" Square Drive					
24997	Handle Bar	1	1	1	1
24998	Grip Extension	1	1	1	1
24999	Hinged Offset	1	1	1	1
21006	1/8" Single Hex Socket	1	1	1	1
21007	5/16" Single Hex Socket	1	1	1	1
21008	1/2" Single Hex Socket	1	1	1	1
21009	5/8" Single Hex Socket	1	1	1	1
21010	3/4" Single Hex Socket	1	1	1	1
21011	7/8" Single Hex Socket	1	1	1	1
21012	1/2" Double Hex Socket	1	1	1	1
21014	3/4" Double Hex Socket	1	1	1	1
N-4	Metal Case	1	1	1	1

Small Series, $\frac{3}{8}$ " Square "Lock-On" Drive

34981	Free Wheeling Ratchet	—	1	1	1
34982	Speeder Handle	1	1	1	1
34984	10" Extension	1	1	1	1
34985	Handle Bar	1	1	1	1
34986	Hinged Offset	1	1	1	1
34990	Release Key	1	1	1	1
34991	Screw Driver	1	1	1	1
34993	Universal Joint	1	1	1	1
34997	Grip Extension	1	1	1	1
30010	$\frac{1}{8}$ " Single Hex Socket	—	1	1	1
30012	$\frac{3}{8}$ " Double Hex Socket	1	1	1	1
30014	$\frac{1}{2}$ " Double Hex Socket	1	1	1	1
30016	$\frac{5}{8}$ " Double Hex Socket	1	1	1	1
30018	$\frac{3}{4}$ " Double Hex Socket	1	1	1	1
30020	$\frac{7}{8}$ " Double Hex Socket	1	1	1	1
30022	$\frac{1}{2}$ " Double Hex Socket	1	1	1	1
30024	$\frac{3}{4}$ " Double Hex Socket	1	1	1	1
30216	$\frac{3}{4}$ " Db'l Hex Univ. Jt. Sk't	—	—	—	1
30218	$\frac{7}{8}$ " Db'l Hex Univ. Jt. Sk't	—	—	—	1
30220	$\frac{1}{2}$ " Db'l Hex Univ. Jt. Sk't	—	—	—	1

Standard Series, $\frac{1}{2}$ " Square "Lock-On" Drive

49978	Universal Joint	1	1	1	1
49979	Screw Driver	1	1	1	1
49983	6" Extension	1	1	1	1
49985	Hinged Offset	1	1	1	1
49986	Handle Bar	1	1	1	1
49990	10" Extension	1	1	1	1
49997	Free Wheeling Ratchet	1	1	1	1
49999	Brace Handle	1	1	1	1
40114	$\frac{7}{8}$ " Double Hex Socket	1	1	1	1
40116	$\frac{1}{2}$ " Double Hex Socket	1	1	1	1
40118	$\frac{3}{4}$ " Double Hex Socket	1	1	1	1
40119	$\frac{7}{8}$ " Double Hex Socket	1	1	1	1
40120	$\frac{1}{2}$ " Double Hex Socket	1	1	1	1
40122	$\frac{3}{4}$ " Double Hex Socket	1	1	1	1
40124	$\frac{7}{8}$ " Double Hex Socket	1	1	1	1
40125	$\frac{1}{2}$ " Double Hex Socket	1	1	1	1
40126	$\frac{3}{4}$ " Double Hex Socket	1	1	1	1
40128	$\frac{7}{8}$ " Double Hex Socket	1	1	1	1
40130	$\frac{1}{2}$ " Double Hex Socket	1	1	1	1
40132	$\frac{3}{4}$ " Double Hex Socket	1	1	1	1
40134	$\frac{7}{8}$ " Double Hex Socket	1	1	1	1
40212	$\frac{3}{4}$ " Double Square Socket	—	—	—	1
40214	$\frac{1}{2}$ " Double Square Socket	1	1	1	1
40216	$\frac{3}{4}$ " Double Square Socket	1	1	1	1
40218	$\frac{7}{8}$ " Double Square Socket	1	1	1	1
40220	$\frac{1}{2}$ " Double Square Socket	1	1	1	1

(Continued in next column)

Contents of Sets — Continued

TOOLS IN SETS:

No.	Description	70R	80RRS	90W	100W
		70DS	80DS	90DS	100DS
Standard Series, 1/2" Square "Lock-On" Drive					
40224	3/4" Double Square Socket..	1	1	1	1
40316	1/2" Long Db'l Hex Sk't..	—	—	—	1
40318	3/4" Long Db'l Hex Sk't..	1	1	1	1
40320	7/8" Long Db'l Hex Sk't..	—	—	—	1
40324	1/2" Long Db'l Hex Sk't..	—	—	—	1
40326	3/4" Long Db'l Hex Sk't..	1	1	1	1
40328	7/8" Long Db'l Hex Sk't..	1	1	1	1
40332	1" Long Db'l Hex Sk't..	1	1	1	1
40336	1 1/4" Long Db'l Hex Sk't..	—	—	—	1

Heavy Duty Series, $\frac{3}{4}$ " Square "Lock-On" Drive

69995	8 $\frac{1}{2}$ " Extension	1	1	1	1
69996	Handle Bar	1	1	1	1
69998	Hinged Offset	1	1	1	1
69999	Ratchet	—	—	—	1
60036	$\frac{1}{4}$ " Db'l Hex Socket	1	1	1	1
60040	$\frac{3}{8}$ " Db'l Hex Socket	1	1	1	1
60044	$\frac{1}{2}$ " Db'l Hex Socket	1	1	1	1
60046	$\frac{5}{8}$ " Db'l Hex Socket	1	1	1	1
60048	$\frac{3}{4}$ " Db'l Hex Socket	1	1	1	1
60052	$\frac{7}{8}$ " Db'l Hex Socket	1	1	1	1
60056	$\frac{1}{2}$ " Db'l Hex Socket	—	1	1	1
60058	$\frac{3}{4}$ " Db'l Hex Socket	—	—	—	1

Short Double Offset Box-Type Wrenches

15612	$\frac{3}{4}$ " & $\frac{7}{8}$ " Double Hex	1	1	1	1
15613	$\frac{1}{2}$ " & $\frac{3}{4}$ " Double Hex	1	1	1	1
15614	$\frac{3}{8}$ " & $\frac{1}{2}$ " Double Hex	1	1	1	1

Long Double Offset Box-Type Wrenches

15625	$\frac{3}{4}$ " & $\frac{11}{8}$ " Double Hex	1	1	1	1
15626	$\frac{1}{2}$ " & $\frac{3}{4}$ " Double Hex	1	1	1	1
15627	$\frac{1}{4}$ " & $\frac{1}{2}$ " Double Hex	—	1	1	1

Tappet Open-End Wrenches

422	$\frac{1}{2}$ " & $\frac{3}{4}$ " Tappet Wrench	—	—	2	2
424	$\frac{3}{4}$ " & $\frac{1}{2}$ " Tappet Wrench	—	—	2	2
426	$\frac{3}{4}$ " & $\frac{1}{4}$ " Tappet Wrench	—	—	2	2

Open-End Wrenches

1723	$\frac{3}{4}$ " & $\frac{1}{2}$ " O. E. Wrench	—	1	1	1
1025	$\frac{1}{2}$ " & $\frac{3}{4}$ " O. E. Wrench	—	1	1	1
1027C	$\frac{3}{4}$ " & $\frac{1}{2}$ " O. E. Wrench	—	1	1	1
1028S	$\frac{1}{2}$ " & $\frac{3}{4}$ " O. E. Wrench	—	1	1	1
1731A	$\frac{3}{4}$ " & $\frac{1}{4}$ " O. E. Wrench	—	1	1	1
1033C	$\frac{1}{2}$ " & $\frac{1}{4}$ " O. E. Wrench	—	1	1	1

Ignition Open-End Wrenches

H10	$\frac{1}{2}$ " & $\frac{3}{4}$ " Ign. Wrench	—	—	1	1
H12	$\frac{3}{4}$ " & $\frac{1}{2}$ " Ign. Wrench	—	—	1	1
H14	$\frac{1}{2}$ " & $\frac{3}{4}$ " Ign. Wrench	—	—	1	1
H16	$\frac{3}{4}$ " & $\frac{1}{2}$ " Ign. Wrench	—	—	1	1

WRENCH SETS

Selected Alloy Steel—Chromium Plated

No. 10ND — Midget Set

A new handier ignition set for fine adjustments. Includes new combination grip and offset handle, No. 24999—serves as grip, offset or T or L handle with 24997. Case is enameled Blackhawk Red.

Contents of Set:

24997	Handle Bar	21009	$\frac{1}{8}$ " Single Hex Socket
24999	Grip Handle and Offset	21010	$\frac{1}{8}$ " Single Hex Socket
21006	$\frac{1}{8}$ " Single Hex Socket	21011	$\frac{1}{8}$ " Single Hex Socket
21007	$\frac{1}{8}$ " Single Hex Socket	21012	$\frac{1}{4}$ " Double Hex Socket
21008	$\frac{1}{4}$ " Single Hex Socket	21014	$\frac{1}{2}$ " Double Hex Socket

No.
10ND Set, CompleteList Price \$7.15
N-4 Case Only, $5\frac{1}{4}$ " long, $2\frac{1}{2}$ " wide, $1\frac{1}{8}$ " high..List Price 1.15

No. 16ND Ignition Set

A complete new assortment of extra small series socket wrenches, together with five miniature open-end wrenches for delicate work in close quarters. Ideal for repairs on relays, generators, starters, switches and radios; ice machines, oil burners, linotypes and similar precision instruments.

Packed in a convenient metal case that fits into the pocket easily. It's at your finger-tips when needed. Case is enameled Blackhawk Red.

Contents of Set:

24994	Obstruction Offset	21011	$\frac{1}{8}$ " Single Hex Socket
24995	Grip Handle	21012	$\frac{1}{4}$ " Double Hex Socket
24996	5" Extension	21014	$\frac{1}{2}$ " Double Hex Socket
21006	$\frac{1}{8}$ " Single Hex Socket	H10	$\frac{1}{8}$ " x $\frac{1}{8}$ " Open End
21007	$\frac{1}{8}$ " Single Hex Socket	H12	$\frac{1}{4}$ " x $\frac{1}{8}$ " Open End
21008	$\frac{1}{4}$ " Single Hex Socket	H14	$\frac{1}{2}$ " x $\frac{1}{8}$ " Open End
21009	$\frac{1}{8}$ " Single Hex Socket	H16	$\frac{3}{8}$ " x $\frac{1}{8}$ " Open End
21010	$\frac{1}{4}$ " Single Hex Socket	H18	$\frac{1}{2}$ " x $\frac{1}{8}$ " Open End

No.
16ND Set, CompleteList Price \$11.50
N-4 Case Only, $5\frac{1}{4}$ " long, $2\frac{1}{2}$ " wide, $1\frac{1}{8}$ " high..List Price 1.15

No. 16QD Set

Up-to-the-minute in design and practicability. All sockets are new, thin-wall, straight type for minimum clearance. Includes the new "Free Wheeling" ratchet wrench. Oil burner, refrigerator service men and aeronautical mechanics will welcome the set. All units have $\frac{3}{8}$ " square Lock-On Drive. Case is enameled Blackhawk Red.

Contents of Set:

34962	Speeder Handle	30010	$\frac{1}{8}$ " Single Hex Socket
34981	Ratchet	30012	$\frac{1}{4}$ " Double Hex Socket
34987	5" Extension	30014	$\frac{1}{2}$ " Double Hex Socket
34984	10" Extension	30016	$\frac{3}{4}$ " Double Hex Socket
34986	Hinged Offset	30018	$\frac{1}{2}$ " Double Hex Socket
34985	Handle Bar	30020	$\frac{3}{4}$ " Double Hex Socket
34993	Universal Joint	30022	$\frac{1}{2}$ " Double Hex Socket
34990	Release Key	30024	$\frac{3}{4}$ " Double Hex Socket

No.
16QD Set, CompleteList Price \$24.85
Q Case Only, $18\frac{3}{4}$ " long, $5\frac{3}{4}$ " wide, $1\frac{1}{2}$ " high..List Price 3.60

No. 13PD Set

Similar to the 17TD but with four less tools and contained in smaller P case. Ideal for quick service work or as emergency kit in trucks and buses.

Contents of Set: Same as 17TD, except has $11\frac{5}{8}$ " Hinged Offset No. 49984. Double Hex sockets same except omits larger sizes, Nos. 40126, 40132, 40134, and 40136. Case is enameled Blackhawk Red.

No.
13PD Set, Complete.....List Price \$13.50
P Case Only, $11\frac{3}{4}$ " long, 4" wide, $1\frac{7}{8}$ " in. high..... 1.55



No. 10ND Set



No. 16ND Set



No. 16QD Set



No. 13PD Set

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

ALL LIST PRICES SUBJECT TO DISCOUNT

WRENCH SETS

Selected Alloy Steel—Chromium Plated

THE JUNIOR TREASURE CHEST—No. 45CB

Expert mechanics themselves helped design this assortment of Blackhawk Wrenches. It's practical, complete, and priced within the reach of every mechanic. Forty-six (46) beautiful chromium plated tools—a full assortment of our latest handles and attachments that help make jobs easier and more profitable.

The "Junior Treasure Chest" Assortment is packed in attractive steel, drop-front chest, enameled red. Name-plate furnished free with the mechanic's name.

Contents of Set:

Small Series

$\frac{3}{8}$ " Square "Lock-On" Drive

34982 Brace Handle	34984 10" Extension
34986 Hinged Offset	34993 Universal
34985 Handle Bar	34991 Screw Driver
34987 5" Extension	34990 Release Key

Two Single Hex sockets $\frac{1}{2}$ " and $\frac{3}{4}$ ". Nos. 30008 and 30010. Five Double Hex sockets $\frac{3}{8}$ " to $\frac{1}{2}$ ". Nos. 30012, 30014, 30016, 30018 and 30020.

Standard Series

$\frac{1}{2}$ " Square "Lock-On" Drive

49997 Ratchet	49979 Screw Driver	49981 Obstr. Offset
49983 6" Extension	49994 Speeder	49985 Hinged Offset
49990 10" Extension	49993 Univ. Speeder	49986 Handle Bar
49978 Universal		

13 Double Hex sockets $\frac{1}{4}$ " to 1". Nos. 40114, 40116, 40118, 40119, 40120, 40121, 40122, 40124, 40125, 40126, 40128, 40130, and 40132. Five Double Square Sockets from $\frac{1}{4}$ " to $\frac{3}{4}$ ". Nos. 40214, 40216, 40218, 40220 and 40224. Three Box-Type Wrenches from $\frac{1}{2}$ " to $\frac{3}{4}$ ". Nos. 15612, 15613, and 15614.

No.

45CB CompleteList Price \$72.00

CB Case Only, 20 $\frac{1}{2}$ " long, 8 $\frac{5}{8}$ " wide, 6 $\frac{1}{2}$ " high

.....List Price 9.75

No. 17TD Set

Special set of Hinged Offset Handle bar and 14 of the most popular Double Hexagon sockets. Units in this set have standard $\frac{1}{2}$ " square "Lock-On" drive. Packed in red metal case T.

Contents of Set: No. 49986 Handle Bar, No. 49988 18" Hinged Offset. 14 Double Hex Sockets from $\frac{3}{8}$ " to $1\frac{1}{8}$ ", Nos. 40112, 40114, 40116, 40118, 40119, 40120, 40122, 40124, 40126, 40128, 40130, 40132, 40134 and 40136.

No.

17TD Set, Complete.....List Price \$19.50

T Case Only, 19 $\frac{1}{8}$ " long, 2 $\frac{3}{4}$ " wide, 1 $\frac{1}{8}$ " high..List Price 2.00

No. 30CD Set

Demand of mechanics for the best in general automotive wrench assortments has made the No. 30CD the most popular wrench set available. Packed in a neat red case to make the best looking bunch of tools any mechanic could desire. Units in this set have standard $\frac{1}{2}$ " Square "Lock-On" Drive.

Contents of Set:

49994 Speeder	49985 Hinged Offset	49987 10" Extension
49992 Brace Handle	49986 Handle Bar	49978 Universal Joint
49996 Ratchet	49983 6" Extension	49979 Drag Link Skt.

14 Double Hex sockets, same as in Set 45CB with addition of No. 40112, $\frac{3}{4}$ " size. Same double square sockets as No. 45CB with exception of No. 40224.

No.

30CD Set, Complete.....List Price \$44.00

CA Case Only, 20 $\frac{3}{8}$ " long, 7 $\frac{3}{8}$ " wide, 5 $\frac{1}{2}$ " high

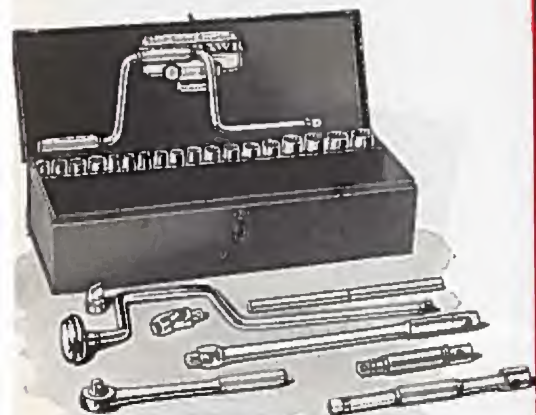
.....List Price 5.20



No. 45CB



No. 17TD Set



No. 30CD

**SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13**

WRENCH SETS

Selected Alloy Steel—Chromium Plated

No. 12SD — Heavy Duty Set

Mechanics in truck and bus shops will welcome this handy set of heavy duty wrenches. You'll find a ready market for this set wherever powerful heavy duty tools are used. No chance of sockets slipping. All units have $\frac{3}{4}$ " Square "Lock-On" Drive. Set packed in handy radiant-red metal case CA.

Contents of Set:

69998 Hinged Offset	60044 $1\frac{1}{4}$ " Double Hex Socket
69996 Handle Bar	60046 $1\frac{1}{2}$ " Double Hex Socket
60032 $1\frac{1}{8}$ " Double Hex Socket	60048 $1\frac{3}{4}$ " Double Hex Socket
60034 $1\frac{1}{4}$ " Double Hex Socket	60052 $1\frac{7}{8}$ " Double Hex Socket
60036 $1\frac{1}{2}$ " Double Hex Socket	60058 $1\frac{1}{2}$ " Double Hex Socket
60040 $1\frac{3}{4}$ " Double Hex Socket	60064 2" Double Hex Socket
60042 $1\frac{7}{8}$ " Double Hex Socket	

No.

12SD Set, CompleteList Price, \$35.25

CA Case Only, $20\frac{1}{8}$ " long, $7\frac{3}{8}$ " wide, $5\frac{1}{2}$ " high List Price 5.20

No. 14BD — Heavy Duty Set

These powerful heavy duty handles and sockets are just the tools needed on repair and assembly of trucks, tractors, combines, farm and power machinery, graders, pavers and other machine units. No chance of socket slipping from handle end for all units in this set have $\frac{3}{4}$ " square "Lock-On" drive.

All sockets double Hexagon. Contained in husky steel case, No. CA—enameled radiant Blackhawk Red.

Contents of Set:

69999 Ratchet	60042 $1\frac{1}{8}$ " Double Hex Socket
69997 Sliding Offset	60044 $1\frac{1}{4}$ " Double Hex Socket
69995 $8\frac{3}{4}$ " Extension	60046 $1\frac{1}{2}$ " Double Hex Socket
69994 17" Extension	60048 $1\frac{3}{4}$ " Double Hex Socket
60032 1" Double Hex Socket	60052 $1\frac{1}{4}$ " Double Hex Socket
60034 $1\frac{1}{8}$ " Double Hex Socket	60058 $1\frac{1}{2}$ " Double Hex Socket
60036 $1\frac{1}{4}$ " Double Hex Socket	60064 2" Double Hex Socket
60040 $1\frac{1}{2}$ " Double Hex Socket	

No.

14BD Set, CompleteList Price \$47.60

CA case Only, $20\frac{1}{8}$ " long, $7\frac{3}{8}$ " wide, $5\frac{1}{2}$ " high..List Price 5.20

No. 12ED — Extra Heavy Duty Set

No nut or bolt too tough for this set. An industrial service and maintenance set designed to provide greatest strength and utility. All units have 1" Square "Lock-On" Drive.

Large socket range and practical handles, ratchet and extensions adapt this set to unusual requirements. Ideal for machinery installation, industrial Diesel service, oil and mine equipment, etc. Positive "Lock-On" feature insures safety and prevents sockets and attachments from falling off.

Contents of Set:

89999 Ratchet	80046 $1\frac{1}{8}$ " Single Hex Socket
89998 Offset Adaptor Head	80052 $1\frac{1}{4}$ " Single Hex Socket
89997 Handle Bar for 89998	80058 $1\frac{1}{2}$ " Single Hex Socket
89996 9" Extension	80064 2" Single Hex Socket
89995 18" Extension	80070 $2\frac{1}{8}$ " Single Hex Socket
80040 $1\frac{1}{4}$ " Single Hex Socket	80076 $2\frac{3}{4}$ " Single Hex Socket

This set finished in cadmium. Chest enameled Blackhawk Red.
No.

12ED Set, CompleteList Price \$72.90

E Case Only, $23\frac{1}{2}$ " long, 7" wide, $4\frac{1}{4}$ " high.....List Price 10.35

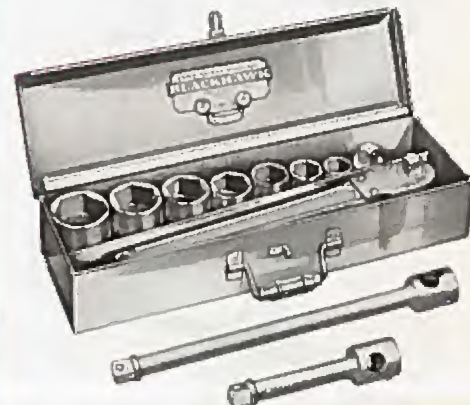
ALL LIST PRICES SUBJECT TO DISCOUNT



No. 12SD Set



No. 14BD Set



No. 12ED Set

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13



BOX-TYPE WRENCHES

Selected Alloy Steel—Chromium Plated

This new modernistic series of box-type wrenches are beautiful in appearance and unusually rugged for the toughest jobs. Note their comfortable Gripline handles—accurate broach—perfect balance—and slim heads to get into cramped quarters and over or under obstructions.



No. 15612 Series

Double Offset — Short

No.	Opening	Length	List Price
15612	$\frac{3}{8}$ " x $\frac{7}{8}$ "	4 $\frac{1}{2}$ "	\$0.95
15613	$\frac{1}{2}$ " x $\frac{7}{8}$ "	5 $\frac{3}{4}$ "	1.00
15614	$\frac{3}{4}$ " x $\frac{1}{1}$ "	6"	1.10



No. 15620 Series

Double Offset — Long

Five new wrenches increase range from $\frac{3}{4}$ " up to 2 $\frac{3}{4}$ ".

15620	$\frac{3}{4}$ " x $\frac{7}{8}$ "	12 $\frac{1}{2}$ "	\$1.70
15622	$\frac{3}{4}$ " x $\frac{7}{8}$ "	7 $\frac{1}{4}$ "	1.00
15623	$\frac{1}{2}$ " x $\frac{7}{8}$ "	8 $\frac{1}{4}$ "	1.10
15624	$\frac{5}{8}$ " x $\frac{1}{1}$ "	9 $\frac{3}{4}$ "	1.30
15625	$\frac{3}{4}$ " x $\frac{1}{1}$ "	11 $\frac{1}{4}$ "	1.50
15626	$\frac{1}{1}$ " x $\frac{7}{8}$ "	12 $\frac{1}{2}$ "	1.70
15627	$\frac{1}{1}$ " x 1"	14 $\frac{1}{4}$ "	2.00
15629	1" x 1 $\frac{1}{8}$ "	16 $\frac{1}{4}$ "	3.20
15630	1 $\frac{1}{8}$ " x 1 $\frac{1}{4}$ "	16 $\frac{1}{4}$ "	4.15
15829	1 $\frac{1}{4}$ " x 1 $\frac{3}{4}$ "	18 $\frac{1}{2}$ "	4.55
15830	1 $\frac{3}{8}$ " x 1 $\frac{5}{8}$ "	23"	6.00
15831	1 $\frac{1}{2}$ " x 2"	24 $\frac{1}{4}$ "	9.75
15832	2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "	26"	11.50
15833	2 $\frac{3}{8}$ " x 2 $\frac{3}{4}$ "	28"	18.08



No. 15632 Series

Angl-Head Style

15632	$\frac{3}{8}$ " x $\frac{7}{8}$ "	7 $\frac{3}{4}$ "	\$1.00
15633	$\frac{1}{2}$ " x $\frac{7}{8}$ "	8 $\frac{3}{4}$ "	1.10
15634	$\frac{5}{8}$ " x $\frac{1}{1}$ "	9 $\frac{3}{4}$ "	1.30
15635	$\frac{3}{4}$ " x $\frac{1}{1}$ "	11 $\frac{3}{4}$ "	1.50
15636	$\frac{1}{2}$ " x $\frac{1}{1}$ "	12 $\frac{3}{4}$ "	1.70
15637	1" x 1 $\frac{1}{8}$ "	14 $\frac{3}{4}$ "	2.00
15638	1 $\frac{1}{8}$ " x 1 $\frac{1}{4}$ "	17"	3.85
15639	1 $\frac{1}{4}$ " x 1 $\frac{3}{4}$ "	17 $\frac{3}{4}$ "	4.85

Half and Half Style

Combination open-end and box-type in one wrench. A handy double duty wrench for quick adjustments and tune-up work. Each end has the same size opening offering a double attack on stubborn nuts.

15647	$\frac{7}{8}$ "	5"	\$1.15
15648	$\frac{3}{4}$ "	5 $\frac{1}{4}$ "	1.25
15649	$\frac{1}{2}$ "	5 $\frac{3}{4}$ "	1.45
15650	$\frac{5}{8}$ "	6 $\frac{1}{4}$ "	1.60
15651	$\frac{1}{1}$ "	7"	1.90
15652	$\frac{3}{4}$ "	8"	2.30



No. 15647 Series

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13



STUB END BOX-TYPES

Selected Alloy Steel—Cadmium Plated

Heavy duty box wrenches for truck, tractor, industrial and construction work. Excellent for rear axle nuts on trucks because straight-line pull gives greater leverage. Work in close quarters—do not spread—do not burr nuts. Fit where bolts protrude above nut. Selected steel — cadmium-plated — heat-treated.

Furnished in either straight or offset shanks. Shank locks into substantial handles for long leverage. All double hexagon openings.

Straight Type

No.	Opening	Use Handle No.	List Price	No.	Opening	Use Handle No.	List Price
15680	1 1/8"	15741	\$2.70	15691	1 3/4"	15744	\$6.35
15681	1"	15741	2.70	15692	1 1/2"	15744	6.50
15682	1 1/4"	15742	3.10	15693	1 1/4"	15744	8.00
15683	1 3/8"	15742	3.10	15694	2"	15744	8.00
15684	1 3/4"	15742	3.35	15695	2 1/8"	15744	9.50
15685	1 7/8"	15743	3.75	15696	2 3/4"	15745	10.00
15686	1 5/8"	15743	4.85	15697	2 1/2"	15745	11.25
15687	1 3/4"	15743	4.85	15698	2 1/4"	15745	14.60
15688	1 5/4"	15743	5.85	15699	2 3/4"	15745	15.90
15689	1 3/4"	15743	5.85	15700	2 1/2"	15745	16.70
15690	1 5/4"	15743	6.10	15701	3 3/4"	15745	17.50

Offset Type

15710	1 1/8"	15741	\$2.95	15721	1 3/4"	15744	\$7.60
15711	1"	15741	2.95	15722	1 1/2"	15744	8.00
15712	1 1/4"	15742	3.50	15723	1 1/4"	15744	9.20
15713	1 3/8"	15742	3.50	15724	2"	15744	9.20
15714	1 3/4"	15742	3.75	15725	2 1/8"	15744	10.50
15715	1 7/8"	15742	4.20	15726	2 3/4"	15745	11.25
15716	1 5/8"	15743	5.85	15727	2 1/2"	15745	12.50
15717	1 3/4"	15743	5.85	15728	2 1/4"	15745	15.90
15718	1 5/4"	15743	6.25	15729	2 3/4"	15745	17.10
15719	1 3/4"	15743	6.25	15730	2 1/2"	15745	18.00
15720	1 5/4"	15744	7.25	15731	3 3/4"	15745	18.75

Tubular Handles for Stub-Ends

No.	Handle Length	Assembled Length	Outside Dia.	Inside Dia.	List Price
15741	15"	23"	1 1/8"	5/8"	\$2.50
15742	18"	24"	1 1/4"	1 1/8"	2.65
15743	24"	33"	1 3/8"	1 1/4"	3.75
15744	30"	41"	1 3/4"	1"	5.40
15745	36"	52 1/2"	1 7/8"	1 1/4"	8.25

Half-Moon Box-Type

The wrench every mechanic needs—it sneaks around corners and in-between or in-between most any place. Just the wrench for generator and starter mountings, manifolds or exhaust nuts and other tricky places.

15659	3/4" x 1 1/8"	7 3/4"	\$1.70
15660	1 1/8" x 1 1/4"	7 3/4"	2.25



Stub Ends—with long handles locked to shank—furnishes full leverage for heavy pull.

No. 15680
Straight
Series



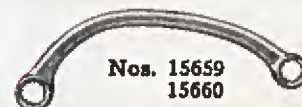
No. 15710
Offset
Series



No. 15741
One-Piece
Tubular
Handles
for Stub
Ends



Nos. 15659
15660



SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

ALL LIST PRICES SUBJECT TO DISCOUNT



No. 19056 Set



No. 19057 Set



No. 19058 Set



No. 19059 Set

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

BOX-TYPE WRENCH SETS

Selected Alloy Steel—Chromium Plated

No. 19056 Set

This handy set of three short double offset wrenches fits right in the mechanic's pocket. A knockout for battery, tire valve and manifold nuts—starter, generator, water pump and other mountings.

Contents of Set

15612	$\frac{3}{8}$ " x $\frac{7}{8}$ "	Opening	15614	$\frac{3}{8}$ " x $\frac{11}{8}$ "	Opening
15613	$\frac{1}{2}$ " x $\frac{7}{8}$ "	Opening			

No.
19056 Set, Complete in Cardboard Box.....List Price \$3.05

No. 19057 Set

Here's a dandy set of six long double offset box-type wrenches that can't be beat for every tricky job that calls for a deep offset, short bites and plenty of leverage. Careful and accurate double hexagon broaches never round out—thin walls sneak into close quarters—and comfortable handles make the job easy.

Contents of Set

15622	$\frac{3}{8}$ " x $\frac{7}{8}$ "	Opening	15625	$\frac{3}{8}$ " x $\frac{11}{8}$ "	Opening
15623	$\frac{1}{2}$ " x $\frac{7}{8}$ "	Opening	15626	$\frac{11}{8}$ " x $\frac{3}{4}$ "	Opening
15624	$\frac{3}{4}$ " x $\frac{11}{8}$ "	Opening	15627	$\frac{11}{8}$ " x 1"	Opening

No.
19057 Set, Complete in Cardboard Box.....List Price \$8.60

No. 19058 Set

Angl-Head wrenches offer a unique design for tough jobs. These neat compact wrenches can be used in places with low overhead clearance. There is a straight line power pull on the nut—no twisting pull like offset types.

Contents of Set

15632	$\frac{3}{8}$ " x $\frac{7}{8}$ "	Opening	15635	$\frac{3}{8}$ " x $\frac{11}{8}$ "	Opening
15633	$\frac{1}{2}$ " x $\frac{7}{8}$ "	Opening	15636	$\frac{3}{4}$ " x $\frac{11}{8}$ "	Opening
15634	$\frac{3}{4}$ " x $\frac{11}{8}$ "	Opening	15637	1" x $\frac{11}{8}$ "	Opening

No.
19058 Set, Complete in Cardboard Box.....List Price \$8.60

No. 19059 Set

A set of the handiest wrenches any mechanic can own. Combination of open-end and box-type in one wrench tackles many tricky jobs where other tools fail. Ideal for battery shops, tire dealers, filling stations, radio men, service men and mechanics.

Contents of Set

15647	$\frac{1}{2}$ "	Opening	15649	$\frac{1}{2}$ "	Opening
15648	$\frac{3}{4}$ "	Opening	15650	$\frac{3}{4}$ "	Opening

No.
19059 Set, Complete in Cardboard Box.....List Price \$5.45

No. 19074 Set

Six half-and-half wrenches—including the four wrenches in No. 19059 Set, plus No. 15651 with $\frac{11}{8}$ " opening and No. 15652 with $\frac{3}{4}$ " opening.

No.
19074 Set, Complete in Cardboard Box.....List Price \$9.65



LUBRICATION SERVICE TOOLS

The "ADJUSTO" No. 151

Adjustable to fit all drain plugs, square or hex, male or female. Used universally on all transmissions, differentials, shock absorbers, gasoline tanks and vacuum tank drain and filler plugs. Jaws adjustable by a twist of thumb on knurled sleeve—not on handle grip as with ordinary drain plug wrenches. Practical 9" length—selected steel—cadmium plated. Adjustable sockets and plugs to fit—hex male plugs, 7/16" to 1 1/4"; square male plugs, 3/16" to 1 1/4"; square female openings, 5/16" to 1".

No. 151.....List Price, \$4.35

The "MULTI-PLUG" No. 152

One-piece — handy and compact — fits practically all female plugs on every car. Length, 8"—forged of chrome nickel steel — heat treated for strength — cadmium plated finish.

Has the following sized plugs— $\frac{1}{4}$ ", $\frac{11}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ " square, and $\frac{1}{4}$ " hexagon.

No. 152.....List Price, \$2.30

SPECIALS—FOR FORD and CHEVROLET

Sockets and handles for connecting rods, oil pans, axle nuts, etc., are shown in regular listings if they are not exclusively Ford and Chevrolet "specials."

New Ford & Mercury Drain Plug Wrench

Fits 1939 Ford, Mercury and Zephyr, 2" hexagon opening. $\frac{1}{4}$ " square opening fits transmission drain and filler plugs in entire Ford group. 10 1/2" offset handle.

No. 15798.....List Price, \$0.80

Ford Brake Adjusting Wrench

No. 4016—For all models. Db'l sq. openings— $\frac{1}{8}$ " & $\frac{1}{4}$ ".....List Price \$1.90

Ford Main Bearing Wrench

No. 4124— $\frac{3}{4}$ " Hex—Models A, AA, B, AAB & 18List Price \$1.00

Ford Oil Pan Wrench

No. 4316— $\frac{1}{2}$ "—All models except 60 and 85List Price \$1.10

Ford Connecting Rod Socket

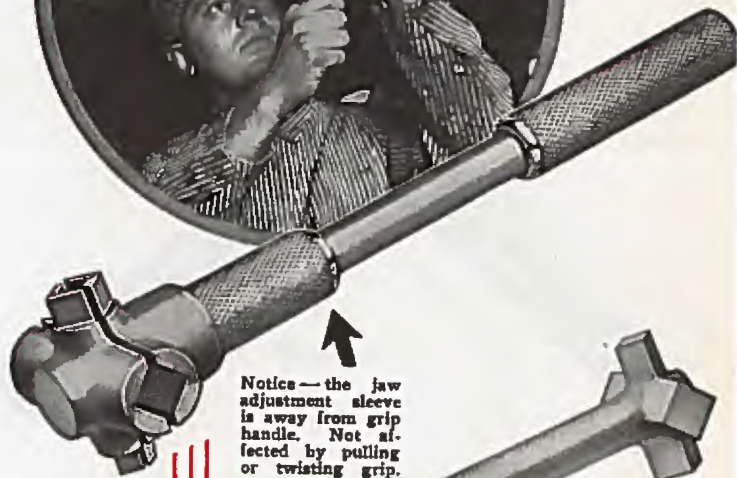
No. 40199— $\frac{1}{8}$ " opening— $\frac{1}{2}$ " drive—All V-8's except 60List Price \$0.85

Chevrolet Oil Pan Socket

No. 34992—Screw driver socket — $\frac{3}{8}$ " drive — Fits all Chevrolet oil pansList Price \$1.25



THE
"ADJUSTO"
No. 151



Notice—the jaw adjustment sleeve is away from grip handle. Not affected by pulling or twisting grip.

THE
MULTI-PLUG
No. 152



No. 15798



No. 4124



No. 4016



No. 4316



No. 34992



No. 40199

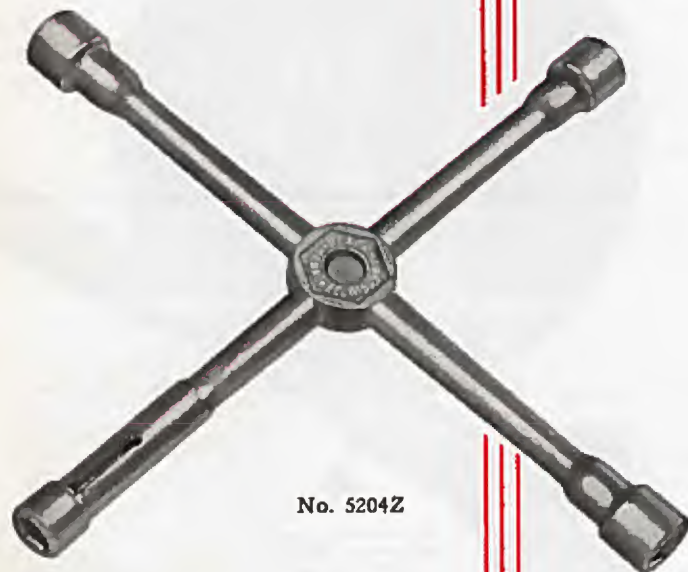
ALL LIST PRICES SUBJECT TO DISCOUNT



TIRE SERVICE TOOLS

Selected Steel—Cadmium Plated

For Service Stations, Garages and Car Owners



No. 5204Z

Cross-Type Rim Wrench with Hub Cap Puller

Here's a new universal cross type rim wrench that makes easy work of removing nuts on all tire changes. Extra deep socket construction takes all nuts, even with extended bolts.

Bell-shaped sockets sneak in where rim nuts are close to the hub wall.

One socket has built-in spring-backed hub cap puller that slides out easily when released by pressing button, (see illustration). When not in use, plunger is pushed in and locked, permitting use of the socket.

Wrench is $14\frac{1}{4}$ " over-all — plenty of length for leverage. Diameter of handle $\frac{5}{8}$ "—depth of sockets $1\frac{3}{8}$ ".

Socket sizes, $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{8}$ " and $1\frac{3}{8}$ " Hexagon.

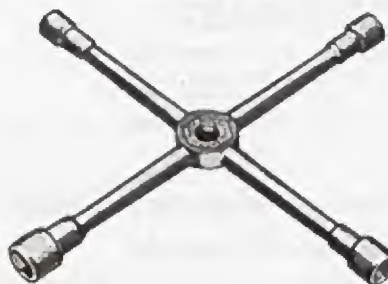
No.

5204ZList Price, \$4.50



Here's how the hub cap puller on the 5204Z operates. Simply fit edge behind cap—and pull. Screw driver doesn't fit because of deeply recessed hub cap.

Standard Cross-Type Wrench



No. 5204X—The master of all rim nut jobs. Equipped with extra deep sockets to get both nuts on tire carriers. Will handle any rim nut job whether wood, disc, or wire wheels. Put one of these in the hands of a prospect and the sale is made. Special over-all length of $14\frac{1}{4}$ " gives all the clearance needed. Diameter of handle $\frac{5}{8}$ " — Depth of sockets $1\frac{3}{8}$ ".

Socket Sizes $\frac{5}{8}$ " — $\frac{3}{4}$ " — $1\frac{1}{8}$ " — $1\frac{3}{8}$ " Hexagon

No.

5204XList price, \$4.00

Car Owner Rim Wrenches

A practical series of popularly priced rim wrenches. Ideal for car owners, service stations, car wreckers and replacements. Thin socket walls sneak in to reach lug nuts on all new style hubs.



No. 5220 Series

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

No.	Socket Size	Stock Dia.	Shank Length	Sweep	List Price
5220	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$5\frac{3}{4}$ "	$4\frac{1}{4}$ "	\$0.65
5222	$1\frac{1}{8}$ "	$\frac{3}{4}$ "	$5\frac{3}{4}$ "	$4\frac{1}{4}$ "	.65
*5224	$\frac{3}{4}$ "	$\frac{3}{4}$ "	$5\frac{3}{4}$ "	$4\frac{1}{4}$ "	.55
*5226	$1\frac{1}{8}$ "	$\frac{3}{4}$ "	$5\frac{3}{4}$ "	$4\frac{1}{4}$ "	.55
5228	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$5\frac{3}{4}$ "	$4\frac{1}{4}$ "	.65

*Non-replaceable.

ALL LIST PRICES SUBJECT TO DISCOUNT

TIRE SERVICE TOOLS

Selected Steel—Cadmium Plated
For Trucks and Buses

Universal Truck Rim Wrench

(Cross Type with 6 Socket Sizes)

A rim tool that will handle 90% of all truck rim nuts, including latest model Ford and Chevrolet Trucks. A powerful tool, $\frac{3}{4}$ " dia. shanks with an over-all length of 23". Equipped with hole through center for use of No. 5401 pry bar to provide added leverage.

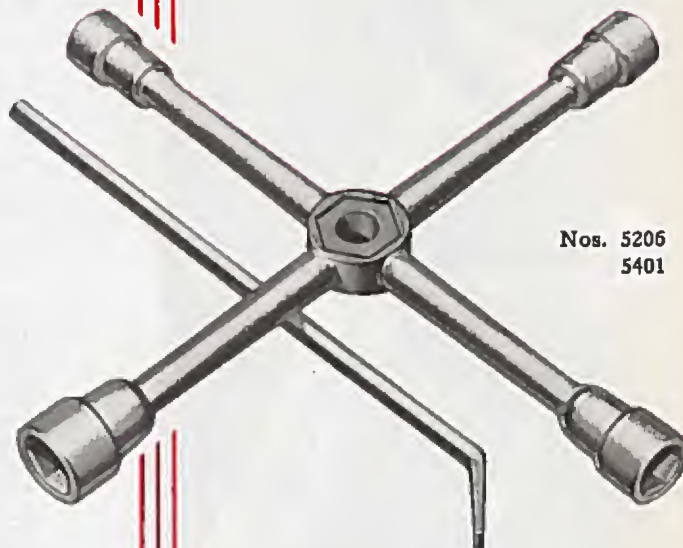
Socket sizes— $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{4}$ ", $1\frac{1}{2}$ " Hexagon, $\frac{5}{8}$ " and $\frac{1}{2}$ " Square.

Back of $1\frac{1}{4}$ " hex socket is broached $\frac{1}{2}$ " square for Model AA Ford and Budd-Michelin Rims. Back of $\frac{5}{8}$ " Hex socket is $\frac{3}{8}$ " square for 1931-32 Chevrolet Truck rims.

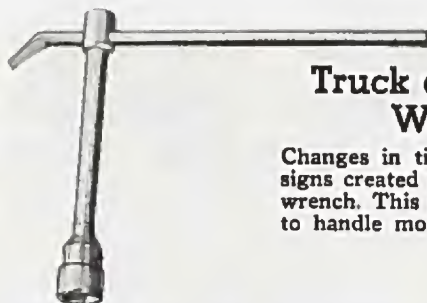
No.

5206 Without No. 5401 Pry Bar.....List Price, \$9.00

5401 Pry BarList Price, 1.40



Nos. 5206
5401



Truck and Bus Rim Wrenches

Changes in tire sizes and wheel designs created need for extra-long rim wrench. This series is now 2" longer to handle modern vehicles.

No. 5448—For Ford AA Trucks, Budd-Michelin Wheels, Budd Duals, Dayton Spokesteel Wheels, change-overs, and deep dual discs.

No. 5440—Has $\frac{7}{8}$ " hex opening for 1933-34 Trucks, also 1931 and 1932 Chevrolet Trucks. Has square openings for rear wheel rim studs, and two hex openings for front and rear wheel rim nuts.

No. 5434—For all other truck and bus rim nuts and trailers with pneumatics.

No. 5401—Used as pry bar and to provide leverage to break loose those frozen nuts.

No.	Socket Sizes	Stock Dia.	Length	List Price
†5448	$\frac{1}{2}$ " Sq., $1\frac{1}{4}$ " & $1\frac{1}{2}$ " Hex	$\frac{3}{4}$ "	$16\frac{1}{2}$ "	\$3.00
†5440	$\frac{3}{4}$ " Sq., $\frac{1}{4}$ " & $1\frac{1}{4}$ " Hex	$\frac{1}{2}$ "	$16\frac{1}{2}$ "	2.60
†5434	$1\frac{1}{4}$ " & $1\frac{1}{8}$ " Hex	$\frac{1}{2}$ "	$16\frac{1}{2}$ "	2.60
5401	Pry Bar only	$\frac{3}{4}$ "	20"	1.40

†Does not include No. 5401 Pry Bar.



Sockets of 5204X, 5204Z and 5206 are bell-shaped with extra deep broach as shown. Plenty of room to take long bolts on tire carriers, etc.



For convenience, sockets on 5440, 5448 and 5206 are double broached as shown. Square opening inside of hex eliminates extra tool.

SEE DOUBLE-DUTY NUGGETS
AND SETS—Pages 6 to 13

ALL LIST PRICES SUBJECT TO DISCOUNT

OPEN-ENDS

Page Thirty-six

MADE OF HEXITE-*The Magic Steel* SLIMMER — THINNER — TOUGHER

PRACTICAL COMBINATIONS

The new series of Hexite Open-Ends have size combinations arranged progressively. Sizes have been grouped scientifically for convenient handling of nuts and bolts. While "tailor-made" for the automotive field — these new Open-Ends are naturals for airplane and other specialty work.

NEW HEXITE OPEN-END SETS

Mechanics have choice of three popular new Blackhawk-Armstrong Open-End Sets.

No. 13CB—Includes all 13 of new Open-End wrenches packed in cardboard box.

List price \$19.50

No. 8LR—Includes 8 most popular new Open-Ends—Nos. 4723, 4725, 4725B, 4727, 4729, 4028, 4730A and 4731A—packed in leatherette roll.

List price \$10.60

No. 8CB—Same as No. 8LR set but packed in cardboard box.

List price \$9.80

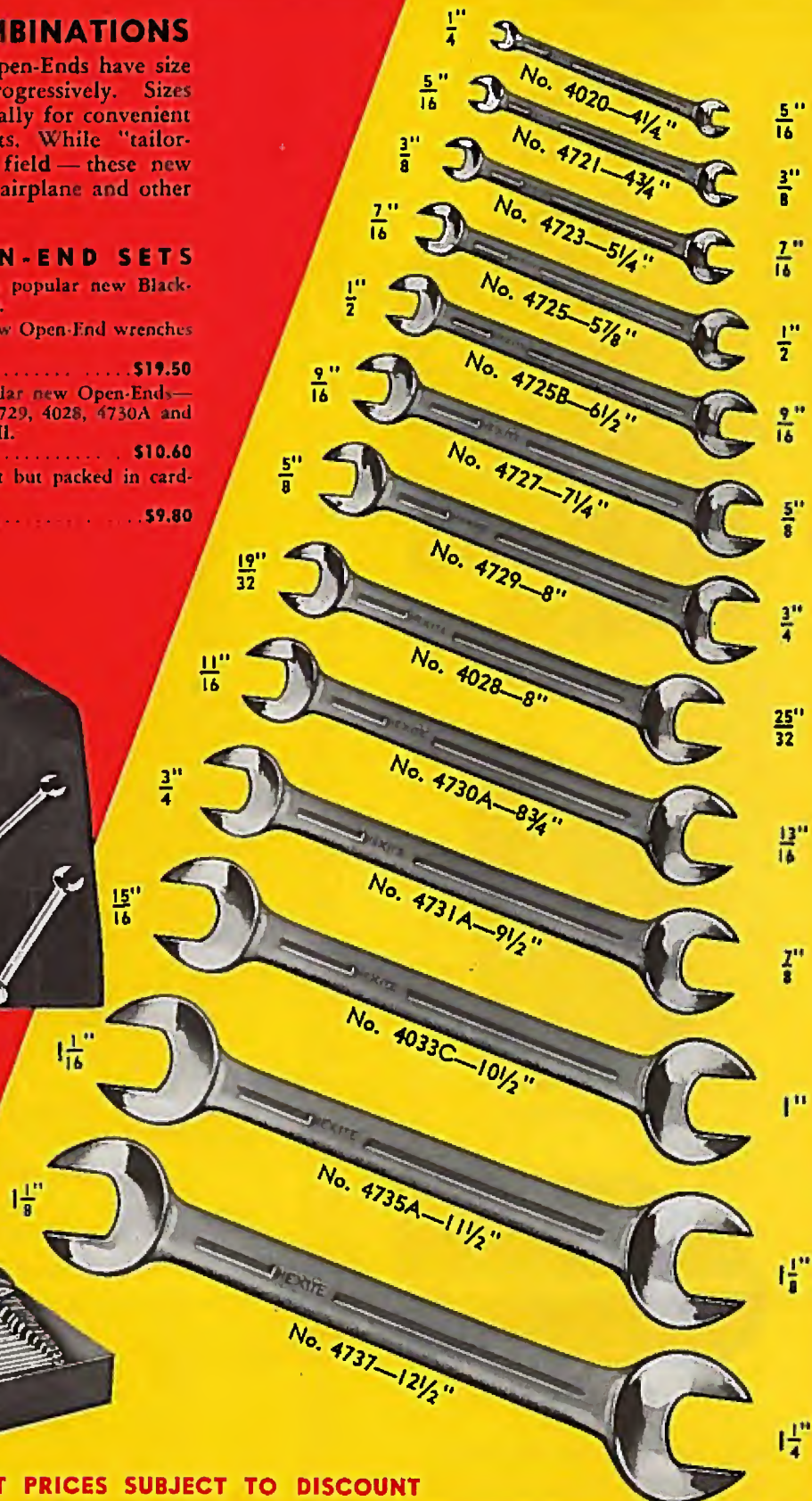


No. 8LR

8CB and 8LR offer eight sizes needed for all automotive service work.

No. 13CB—Contains 13 Hexite wrenches. Each Hexite wrench broached to handle popular combination of bolt sizes.

No. 13CB



OPEN-END WRENCHES

Selected Steel — Chromium Plated

Economy Series Tappet Wrenches

A fine series of reasonably priced tappets, welcomed by every mechanic. Long and thin—they slip in easily where clearance is small. Forged of the best alloy steel—and chromium plated. Openings at 15° angle.

No.	Milled Openings	Length	Thickness of Head	List Price
420	7/8"-1 1/8"	8"	3/16"	\$0.75
422	1 1/8"-1 1/4"	8"	3/16"	.75
424	1 1/4"-1 1/2"	8 1/2"	3/16"	.80
426	1 1/2"-1 3/4"	9"	3/16"	1.00

Economy Tappet Set

Contains two each Nos. 422, 424, 426

No.

22CB—In Cardboard Box. List Price.....\$5.10

22LR—In Leatherette Roll. List Price..... 5.80

Regular Series Tappet Wrenches

Two styles provided: Same size opening on both ends, or different size openings on same wrench. Balanced design makes it easy to use three at once while adjusting tappets—two worked as scissors in one hand, and a third in the other. One end offset at 22 1/2° angle—other straight.

402		1/2"	8 1/2"	3/16"	\$0.75
403		5/8"	8 1/2"	3/16"	.75
404		3/4"	8 1/2"	3/16"	.80
405		7/8"	8 1/2"	3/16"	.80
402B	Straight End Angle End	1/2" & 3/8"	8 1/2"	3/16"	.75
402C		5/8" & 1/2"	8 1/2"	3/16"	.75
404B		3/4" & 1 1/8"	8 1/2"	3/16"	.80
404C		7/8" & 1 1/4"	8 1/2"	3/16"	.80
406B		1 1/4" & 1 1/2"	9"	3/16"	.85
406C		1 1/2" & 1 3/4"	9"	3/16"	.85

Special Long Tappet Wrenches

Many new model cars require these long tappet wrenches. 100A and 100B have single end opening. 200AB has double end opening.

100A	1/2"	15"	3/16"	\$2.00
100B	5/8"	15"	3/16"	2.00
200AB	1/2"-1 1/8"	15"	3/16"	2.60

Tappet Wrench Sets

Nos. 412CB and 412LR

Contain two each Nos. 402, 403, 404 and 405. These wrenches have same sized opening on each end.

No.

412CB—In Cardboard Box. List Price.....\$6.20

412LR—In Leatherette Roll. List Price..... 7.00

Nos. 400CB and 400LR

Smaller set than above, but with more sizes. Wrenches have different sized openings on each end.

Contain one each Nos. 402B, 402C, 404B, 404C, 406B, 406C.

No.

400CB—In Cardboard Box. List Price.....\$4.80

400LR—In Leatherette Roll. List Price..... 5.50

Brake Wrench

For Eccentric Cam or Bendix Internal

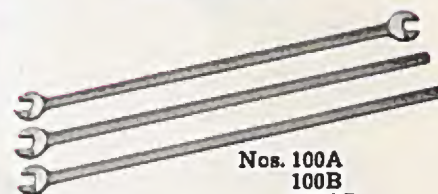
No.	Opening	Length	Thickness	Price
2561	3/8" to 1/4"	9"	3/16"	\$1.80



Economy Series
Tappets



No. 22LR Set



Nos. 100A
100B
200AB



No. 412LR



No. 2561

SEE NEW AUTOMOTIVE
OPEN-ENDS—Pages 36 and 37

ALL LIST PRICES SUBJECT TO DISCOUNT



**Engineer's
Wrenches**

(For illustrations of NEW Automotive
Open-Ends—See pages 36 and 37.)



No. 26LR Set



No. 20LR Set



No. 18LR Set

**SEE NEW AUTOMOTIVE
OPEN-ENDS—Pages 36 and 37**

OPEN-END WRENCHES

Selected Steel — Chromium Plated

Engineer's Wrenches

Handy wherever there's a tough nut to turn on cars—trucks—tractors—farm implements—or industrial equipment. (See pages 36 and 37 for New Automotive Open-Ends.)

No.	Openings	Extreme Length	Thickness Heads	List Price
1020	1/4" & 3/8"	3"	1/8"	\$0.50
1721	1/4" & 3/8"	3 1/2"	1/8"	.55
1021	1/4" & 1/2"	5 1/2"	1/8"	.55
1722	1/4" & 1/2"	5 1/2"	1/8"	.55
1723	3/8" & 1/2"	5 1/2"	1/8"	.55
1022	1/2" & 3/4"	6"	1/8"	.70
1023	1/2" & 3/4"	6"	1/8"	.70
1723A	1/2" & 3/4"	6"	1/8"	.70
1024	1/2" & 1"	6 1/2"	1/8"	.80
1725	1/2" & 1"	6 1/2"	1/8"	.80
1725A	1/2" & 1"	6 1/2"	1/8"	.80
1725B	1/2" & 1"	6 1/2"	1/8"	.80
1025	3/4" & 1"	6 1/2"	1/8"	.80
1726	3/4" & 1"	7"	1/8"	1.00
1026	3/4" & 1"	7"	1/8"	1.00
1727	3/4" & 1"	7"	1/8"	1.00
1027	3/4" & 1"	7"	1/8"	1.00
1027C	3/4" & 1"	7"	1/8"	1.00
1728	3/4" & 1 1/4"	8"	1/8"	1.20
1028	3/4" & 1 1/4"	8"	1/8"	1.20
1028S	3/4" & 1 1/4"	8"	1/8"	1.20
1729	3/4" & 1 1/4"	8"	1/8"	1.20
1029	3/4" & 1 1/4"	8"	1/8"	1.20
1030	3/4" & 1 1/4"	8"	1/8"	1.20
1731	3/4" & 1 1/4"	9 1/2"	3/16"	1.60
1731A	3/4" & 1 1/4"	9 1/2"	3/16"	1.60
1031	3/4" & 1 1/4"	9 1/2"	3/16"	1.60
1731B	3/4" & 1 1/4"	9 1/2"	3/16"	1.60
1032	3/4" & 1 1/4"	9 1/2"	3/16"	1.60
1033A	3/4" & 1 1/4"	9 1/2"	3/16"	1.60
1033	3/4" & 1 1/4"	9 1/2"	3/16"	1.60
1733	3/4" & 1 1/4"	10 3/4"	1/2"	2.20
1033C	3/4" & 1 1/4"	10 3/4"	1/2"	2.20
1034	3/4" & 1 1/4"	10 3/4"	1/2"	2.20
1734	3/4" & 1 1/4"	10 3/4"	1/2"	2.20
1035	3/4" & 1 1/4"	10 3/4"	1/2"	2.20
1735	1" & 1 1/4"	12 1/4"	1/2"	3.00
1036	1" & 1 1/4"	12 1/4"	1/2"	3.00
1736	1" & 1 1/4"	12 1/4"	1/2"	3.00
1037	1" & 1 1/4"	12 1/4"	1/2"	3.00
1737	1 1/4" & 1 3/4"	12 3/4"	1/2"	3.00

Engineer's Wrench Sets

Contains one each Nos. 1723, 1025, 1027C, 1028S, 1731A and 1033C.
No. 26CB—In Cardboard BoxList Price \$7.35
No. 26LR—In Leatherette Roll.....List Price 8.20
(See New Open-End Sets—pages 36 and 37.)

Miniature Wrenches and Sets

These Miniature Wrenches take the fight out of the stubborn baby nuts. Ideal for every small delicate job.

No.	Milled Opening	Length	Thickness of Head	List Price
H-10	1/8" & 1/4"	2 1/2"	1/8"	\$0.55
H-12	1/4" & 1/2"	3"	1/8"	.55
H-14	1/4" & 1/2"	3 3/4"	1/8"	.60
H-16	1/4" & 1/2"	4 1/2"	1/8"	.60
H-18	1/2" & 3/4"	4 3/4"	1/8"	.60

No.
20CB—One each of above. In Cardboard Box....List Price \$2.90
20LR—One each of above. In Leatherette Roll..List Price 3.30

Ignition Wrenches and Sets

These tools meet with the approval of Ignition experts. All tools shown are neatly contained in the two-tone gray-green leatherette case.

No.	Size Opening	Price
E-2	1/4" & 1/2"	\$0.55
E-3	1/4" (1 1/4" & 1 1/2")	.55
E-4	1/2"	.55
E-5	1/2"	.55
E-6	1/2"	.85
E-7	3/8" (3/4")	.70
E-8	3/8" & 1/2"	.70
E-9	1/2"	.70
E-10	3/4" & 1 1/4"	.70
E-11	3/4" & 1 1/2"	1.10

No.
18CB—One each of above. In Cardboard Box....List Price \$6.95
18LR—One each of above. In Leatherette Roll..List Price 7.65

ALL LIST PRICES SUBJECT TO DISCOUNT

BLACKHAWK *Red Cross*

RIM WRENCHES



No. 15119 CROSS TYPE

Every mechanic, tire dealer, service station and filling station needs this speedy four-in-one Rim Wrench. Extra deep sockets—bell shaped—tackle any nut whether on the wheel or tire carrier. They sneak in on tricky jobs—inside the hub—and take the fight out of the toughest nut.

Designed for general car use—overall length 13½". Socket openings—⅝", ⅞", ¾" and 7/8" Hex.

No. 15119 List price \$1.75

TRUCK AND BUS TYPE

You can't beat these sturdy rim wrenches on any job requiring a tough pull and plenty strength. A handle bar provides extra leverage to break loose frozen nuts. Ideal for trucks, trailers and buses. Price below does not include 15140 handle bar.

No. 15137—For general truck, bus and trailer rim nuts. Length 16½". Socket openings—1⅞" and 1⅞" Hex.

List price \$2.30

No. 15138—For Chevrolet trucks. Has square openings for rear wheel rim studs and Hex for front and rear rim nuts. Length—16½". Openings—⅝" sq., 7/8" and 1¼".

List price \$2.30

No. 15139—For Ford AA trucks—Budd-Michelin, Budd Duals, Dayton, Spoke-steel, changeovers and deep dual discs. Length—16½". Openings—1⅞" sq., 1⅞" and 1½" Hex.

List price \$2.60

No. 15140—Handle Bar for above wrenches. 18" long, ¾" stock diameter.

List price \$0.60



BLACKHAWK MFG. CO.
MILWAUKEE, WISCONSIN U.S.A.

Wrench Specialists